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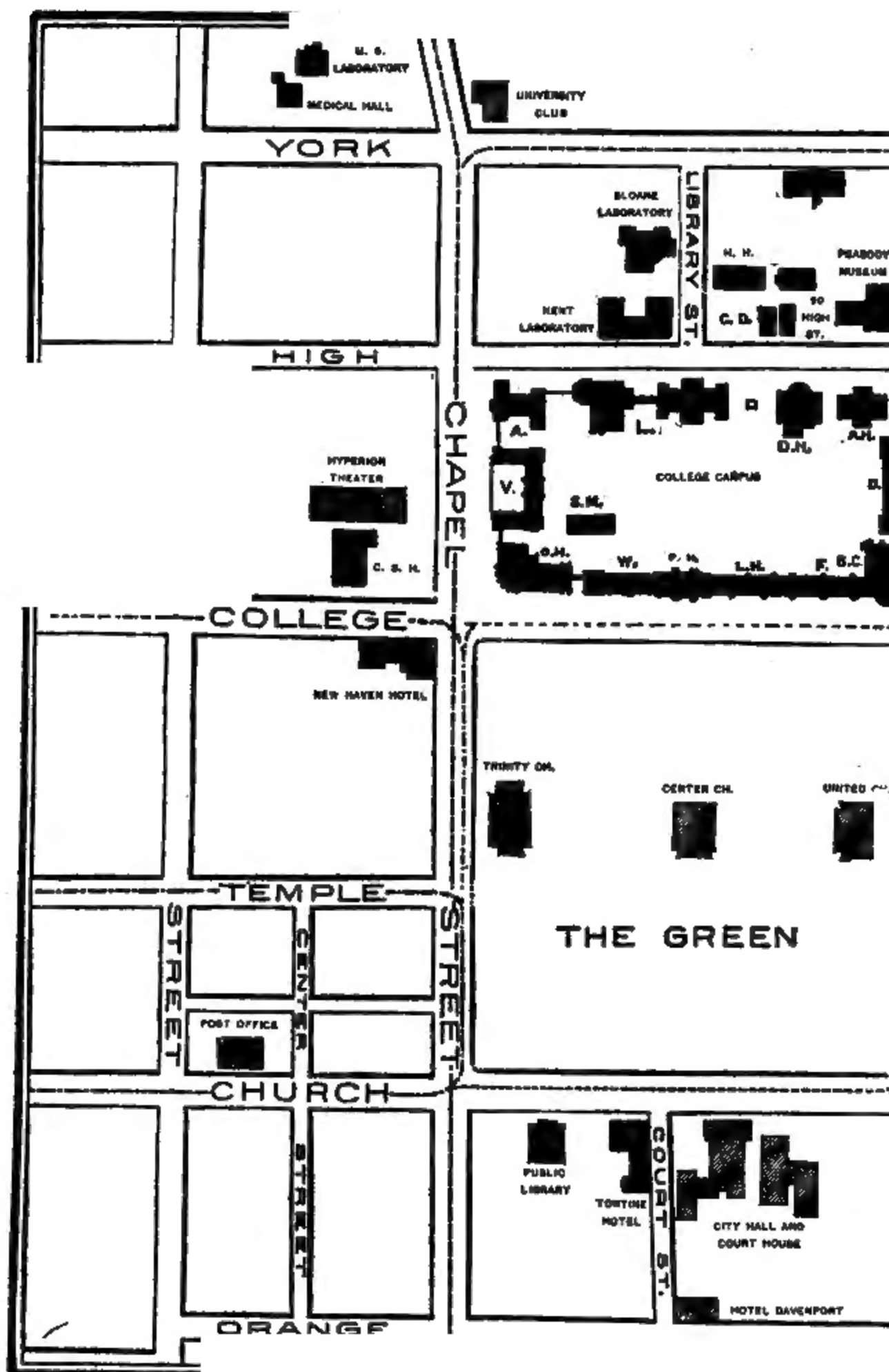




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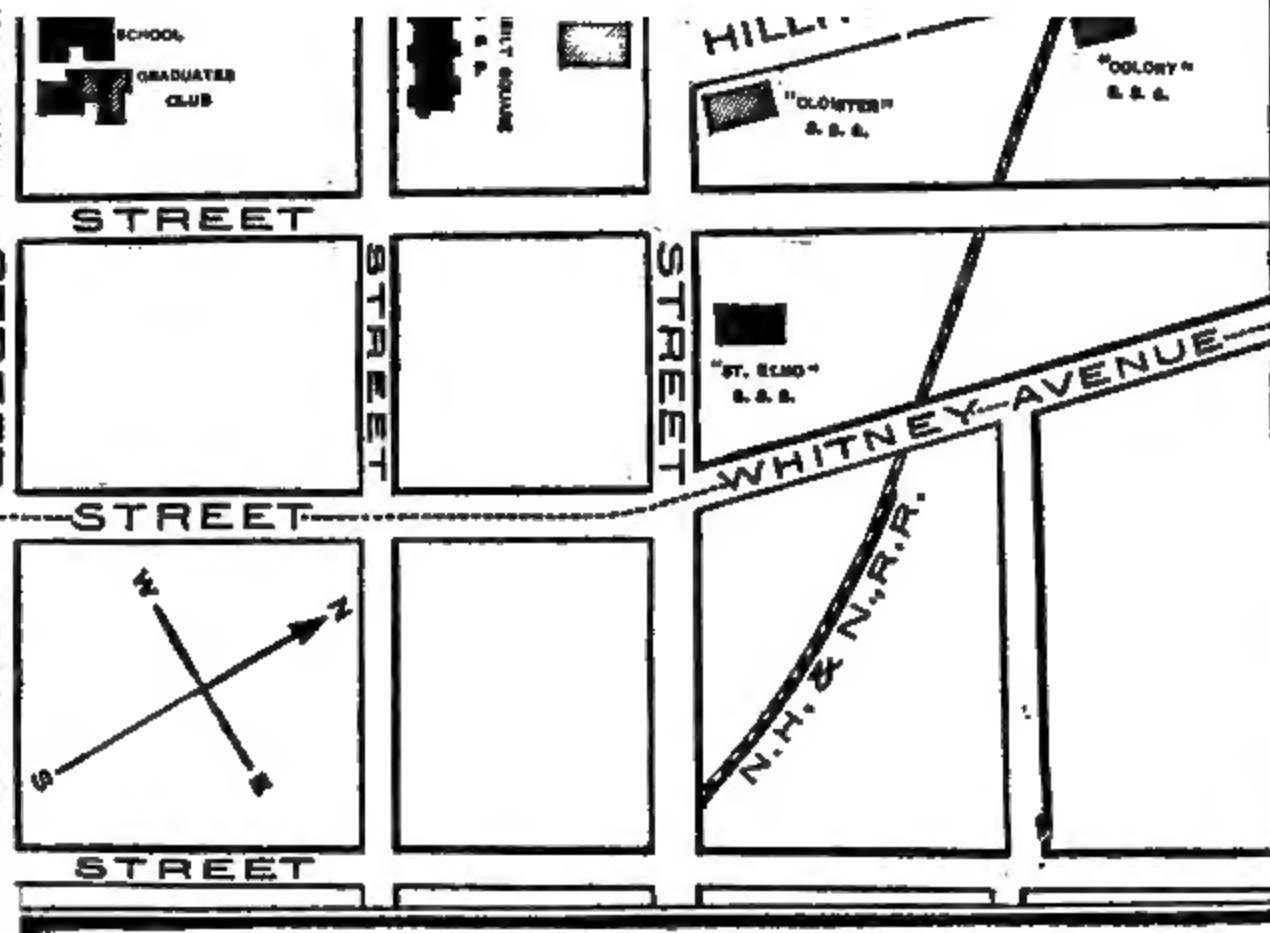
ALE UNIVERSITY BUILDINGS.

Scale, 1 in. = 400 ft.



ABBREVIATIONS

-  UNIVERSITY BUILDINGS
-  OTHER



CATALOGUE
OF
YALE UNIVERSITY

1904-1905

NEW HAVEN
THE TUTTLE, MOREHOUSE & TAYLOR COMPANY
1904

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OFFICE HOURS

The PRESIDENT OF THE UNIVERSITY—Woodbridge Hall, 8.30 A. M. to 1 P. M. (Students not having a previous appointment are advised to call between 10.15 and 11.15.)

The SECRETARY OF THE UNIVERSITY—Woodbridge Hall, 9.30 A. M. to 1 P. M.

The TREASURER OF THE UNIVERSITY—Woodbridge Hall, 9 A. M. to 5 P. M. (Treasurer's hours, 9 A. M. to 1 P. M.)

ACADEMICAL DEPARTMENT (Yale College)—The DEAN, Lampson Hall, 10.30 A. M. to 1 P. M.

SHEFFIELD SCIENTIFIC SCHOOL—The DIRECTOR, 3 Sheffield Hall, 9 A. M. to 12 M.

GRADUATE SCHOOL—The DEAN, 90 High st., daily, except Saturday, 10.30 A. M. to 12 M.

SCHOOL OF THE FINE ARTS—The DIRECTOR, 9 A. M. to 12 M., 2 to 4 P. M.

DEPARTMENT OF MUSIC—The DEAN, Wednesday, 12 M. to 1 P. M.; Tuesday, Wednesday, Thursday and Friday, 3 P. M., 126 College st.

DEPARTMENT OF FORESTRY—The DIRECTOR, 360 Prospect st., Tuesday, Thursday, Saturday, 9 to 11.30 A. M.

DEPARTMENT OF THEOLOGY—The DEAN, 615 East Divinity Hall, 11 A. M. to 12.30 P. M.

DEPARTMENT OF MEDICINE—The DEAN, Room 25, 150 York st., 9 A. M. to 11 A. M.

DEPARTMENT OF LAW—The DEAN, Hendrie Hall, 8.30 to 9.30 A. M.

SUMMER SCHOOL—The DIRECTOR, 135 Elm st., Tuesday and Thursday, 9.30 A. M.

OBSERVATORY—The DIRECTOR, The Observatory, cor. Prospect and Canner streets, 11 A. M. to 1 P. M.

COLLEGE BURSAR'S OFFICE—Lampson Hall, 9 A. M. to 3 P. M.

BUREAU OF SELF HELP—4 Phelps Hall, 9.30 A. M. to 12.30 P. M.

GENERAL INFORMATION

The CATALOGUE OF YALE UNIVERSITY is published in December. Price, fifty cents ; by mail, sixty-two cents. (A copy will be sent free of charge to any graduate desiring it.) In this Catalogue the detailed descriptions of individual courses, given in Departmental Pamphlets, are omitted.

The CATALOGUE OF OFFICERS AND GRADUATES, heretofore generally known as The TRIENNIAL CATALOGUE, was last issued in October, 1904. Price, one dollar.

The DIRECTORY OF LIVING GRADUATES was last issued in November, 1904. Price, one dollar. (Distribution limited at the discretion of the officers of the University.)

The PAMPHLETS of any Department of the University are furnished without charge. These contain detailed information not given in the University Catalogue, especially regarding the individual courses offered.

The UNIVERSITY BULLETIN, published weekly in term time and containing announcements of lectures, prizes, etc., is posted on local bulletin boards, and sent to subscribers for one dollar a year.

For Catalogues and general information, address THE SECRETARY OF YALE UNIVERSITY, YALE STATION, NEW HAVEN, CONNECTICUT.

To find the position or address of any officer, consult page references in DIRECTORY at the back of this Catalogue.

CALENDAR

1904

29 Sept.	Thursday	FIRST TERM begins.
21 Nov.	Monday	YALE CORPORATION MEETING.
23 Nov.	Wednesday	THANKSGIVING RECESS begins, 1.20 P. M.
25 Nov.	Friday	RECESS ends, 8 A. M.
21 Dec.	Wednesday	FIRST TERM ends, 6 P. M.

Winter Vacation

1905

11 Jan.	Wednesday	SECOND TERM begins, 8 A. M.
20 Feb.	Monday	YALE CORPORATION MEETING.
20 March	Monday	YALE CORPORATION MEETING.
13 April	Thursday	Junior Exhibition.
19 April	Wednesday	SPRING RECESS begins, 1.20 P. M.
27 April	Thursday	RECESS ends, 8 A. M.
1 May	Monday	John A. Porter Prize Essays due.
6 May	Saturday	Berkeley Scholarship Examination.
15 May	Monday	YALE CORPORATION MEETING.
15 May	Monday	Woolsey Scholarship Examination begins.
15 May	Monday	Winthrop Prize Examination begins.
30 May	Tuesday	Memorial Day.
1 June	Thursday	School of the Fine Arts, term ends.
7 June	Wednesday	Anniversary of the Divinity School.
23 June	Friday	DeForest Prize Speaking.
25 June	Sunday	Baccalaureate Sermon.
26 June	Monday	College Class-Day Exercises.
26 June	Monday	Scientific School Class-Day Exercises.
26 June	Monday	Anniversary of the Law School.
26 June	Monday	Anniversary of the Medical School.
26 June	Monday	YALE CORPORATION MEETING.
27 June	Tuesday	Anniversary Meeting of the Alumni.
28 June	Wednesday	COMMENCEMENT.
28 June	Wednesday	Examinations for admission to Yale College begin.
29 June	Thursday	Examinations for admission to other Departments begin.

Summer Vacation

25 Sept.	Monday	Examination for admission begins, 10.30 A. M.
28 Sept.	Thursday	FIRST TERM begins.
20 Dec.	Wednesday	FIRST TERM ends.

CHRONOLOGICAL TABLE

Meeting of Ministers in Branford, for founding a College	1700-1701
Charter of the Collegiate School of Connecticut	1701
Organization under the Charter	1701
Beginning of instruction at Saybrook	1702
Removal to New Haven	1716
The Collegiate School named Yale College	1718
Revised Charter	1745
Act of the General Assembly of Connecticut by which State Officers became members of the Corporation	1792
Charter of the Medical School	1810
Beginning of instruction in the Medical School	1813
Charter confirmed by new Constitution of the State	1818
Beginning of instruction in the Divinity School	1822
Law School affiliated to the College	1824
Graduate Courses in Philosophy and the Arts organized	1846
Scientific section of the Department of Philosophy and the Arts named the Sheffield Scientific School	1861
School of the Fine Arts established	1866
Act of the General Assembly providing for the election of six members of the Corporation by the Alumni	1871
Act of the General Assembly authorizing the name Yale University	1887
Department of Music established	1894
Forest School established	1900
Bicentennial Celebration	1901

PART I

OFFICERS OF THE UNIVERSITY

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ASSISTANT PROFESSORS, and officers of equivalent rank.

INSTRUCTORS, including Tutors, Demonstrators and Lecturers.

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ASSISTANTS IN ADMINISTRATION.

Names are arranged alphabetically in each of these lists, except in the first, where the order is based on collegiate seniority.

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The Munson Professorship of Natural Philosophy and Astronomy, last held by Elias Loomis, LL.D.

The Eaton Professorship of Botany, last held by Daniel Cady Eaton, S.B., M.A.

The Kent Professorship of Law, last held by Edward John Phelps, LL.D.

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JOHN MILTON MILLER

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(Sloane Laboratory) 72 S. M.

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WALLACE NOTESTEIN, M.A. <i>Assistant in History</i>	1233 Chapel st.
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JULIUS HALL PARMELEE, B.A. <i>Assistant in Statistics</i>	202 D.
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RICHARD FOSTER RAND, M.D. <i>Assistant in the Gynecological and Surgical Clinics</i>	1173 Chapel st.
DAVID LINDSEY RANDALL, B.A. <i>Assistant in Chemistry</i>	606 E. D.
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JOLINE BUTLER SMITH, B.F.A. <i>Assistant in Decorative Design</i> (149 Orange st.)	9 College st.
HARRY MERRIMAN STEELE, M.D. <i>Assistant in Pathology and in Pediatrics</i>	226 Church st.
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FREEMAN WARD, B.A. <i>Assistant in Geology</i>	569 P.
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ASSISTANTS IN ADMINISTRATION

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HENRY ROBERT GRUENER, *Assistant in the Library*

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and Private Secretary to the Dean of the
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- ROBERT SENECA SMITH, B.A., *University General Secre-
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2 Dwight Hall
- EDWARD FRANCIS STEVENS, B.A., *Assistant in the Library*
203 Lawrence st.
- JAMES PRESTON STRONG, *Accountant in the
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463 FW.
- MATT SAVAGE WALTON, B.A., *Assistant Registrar of the Law School*
217 York st.

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ARTHUR ADAMS, M.A., <i>University Fellow</i>	124 Park st.
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GILBERT G. BENJAMIN, M.A., <i>University Fellow</i>	387 Temple st.
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JAMES BROWN, M.A., <i>Silliman Fellow in the Academical Department</i>	230 D.
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HENRY C. COURTEN, B.A., <i>Graduate Scholar</i>	387 Temple st.
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SIDNEY N. DEANE, B.A., <i>Soldiers' Memorial Fellow in the Academical Department</i>	Athens, Greece
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WILLARD H. DURHAM, B.A., <i>Graduate Scholar</i>	716 W. D.
ALBA M. EDWARDS, B.A., <i>Graduate Scholar</i>	706 W. D.
HENRY B. ENDICOTT, PH.B., <i>Sheffield Graduate Scholar</i>	126 Wall st.
CHARLES P. FLORA, B.A., <i>Clark Scholar</i>	Kent Laboratory
MAXWELL GANTER, B.A., <i>Graduate Scholar</i>	1161 Chapel st.
LARS J. E. HALLANDER, M.A., <i>Graduate Scholar</i>	65 Lyon st.
WILLIAM A. HARPER, M.A., <i>University Scholar</i>	539 Elm st.
HERMAN F. HARRIS, M.A., <i>Graduate Scholar</i>	Mem. Hall
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ARTHUR F. HERTELL, M.A., <i>Graduate Scholar</i>	333 York st.
RAYMOND T. HILL, B.A., <i>W. W. DeForest Scholar in the Academical Department</i>	202 D.
FRANCIS J. HOLDER, B.S., <i>Graduate Scholar</i>	Mem. Hall
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CARL O. JOHNS, PH.B., <i>Sheffield Graduate Scholar</i>	162 S. L.
WILLIAM S. JOHNSON, B.A., <i>Macy Fellow in the Academ- ical Department</i>	122 Howe st.
BERTRAM A. LENFEST, B.S., <i>University Fellow</i>	217 English st.
LOUIS H. LEVY, PH.B., <i>Sheffield Graduate Scholar</i>	138 Minor st.
GERALD F. LOUGHLIN, B.S., <i>University Fellow</i>	73 Lake pl.
GEORGE B. LOVELL, M.A., <i>Graduate Scholar</i>	91 Dwight st.
RAYMOND B. MCCLENON, B.A., <i>University Fellow</i>	366 Whalley av.
ELMER V. MCCOLLUM, B.A., <i>Graduate Scholar</i>	285 Willow st.
HERBERT MARTIN, M.A., <i>University Fellow</i>	102 DeWitt st.
CLARENCE W. MENDELL, B.A., <i>Douglas Fellow in the Academical Department</i>	75 S. M.
JOHN M. MILLER, <i>Sloane Fellow in the Academical Department</i>	72 S. M.
STEWART L. MIMS, B.A., <i>Larned Fellow in the Academ- ical Department</i>	716 W. D.
PHILIP H. MITCHELL, PH.B., <i>Sheffield Graduate Scholar</i>	98 York sq.
JAMES C. MOREHEAD, M.S., <i>Graduate Scholar</i>	310 York st.
GEORGE E. NICHOLS, <i>Daniel C. Eaton Graduate Scholar</i>	565 P.
WALLACE NOTESTEIN, M.A., <i>Robinson Fellow</i>	1233 Chapel st.
MARY A. PACE, PH.M., <i>Graduate Scholar</i>	131 Dwight st.
ELISABETH H. PALMER, B.A., <i>University Fellow</i>	445 George st.

CONRAD A. PETERSON, M.A., <i>Class of '90 Fellow</i>	855 State st.
FREDERICK E. PIERCE, B.A., <i>Eldridge Fellow in the Academic Department</i>	1076 Chapel st.
FRANK W. PITMAN, PH.B., <i>Sheffield Graduate Scholar</i>	119 Gilbert av.
ROLAND G. D. RICHARDSON, M.A., <i>Larned Fellow in the Academic Department</i>	120 York st.
FREDERICK W. ROMAN, B.A., <i>Graduate Scholar</i>	361 Orange st.
CLIFTON J. SARLE, M.S., <i>Graduate Scholar</i>	379 Crown st.
CARL F. F. SCHULZ, B.A., <i>Cuyler Follow in the Academic Department</i>	387 Temple st.
LAURA R. SEGUINE, B.A., <i>Graduate Scholar</i>	130 Howe st.
DUDLEY F. SICHER, B.A., <i>Graduate Scholar</i>	23 Lynwood pl.
J. RUSH STONER, B.A., <i>Graduate Scholar</i>	73 Lake pl.
GEORGE SVERDRUP, M.A., <i>University Fellow</i>	47 Lake pl.
WAYNE SWARTZ, B.A., <i>Graduate Scholar</i>	132 Howe st.
WILMOT H. THOMPSON, M.A., <i>Clark Scholar in the Academic Department</i>	35 Clark st.
HERMAN J. THORSTENBERG, B.A., <i>Graduate Scholar</i>	130 Wall st.
RALPH H. TUKEY, M.A., <i>University Fellow</i>	139 Dwight st.
HARRY B. VANDEVENTER, M.A., <i>College Fellow</i>	1076 Chapel st.
AXEL E. VESTLING, B.A., <i>University Fellow</i>	130 Wall st.
GUSTAF E. WAHLIN, B.A., <i>Graduate Scholar</i>	53 Prospect st.
CURTIS H. WALKER, B.A., <i>Graduate Scholar</i>	651 E. D.
WILLIAM H. WARNER, B.A., <i>Graduate Scholar</i>	1385 Chapel st.
ERNEST C. WEBSTER, PH.B., <i>Sheffield Graduate Scholar</i>	132 Wall st.
ARTHUR J. WESTON, B.A., <i>Graduate Scholar</i>	105 Park st.
EDWARD C. WEYMAN, B.A., <i>Graduate Scholar</i>	120 York st.
EVERETT T. WHITFORD, M.A., <i>University Fellow</i>	696 W. D.
AARON WITTSTEIN, <i>Graduate Scholar</i>	73 S. M.
GEORGE E. WOODBINE, B.A., <i>Foote Fellow in the Academic Department</i>	74 Wall st.
LESTER W. ZARTMAN, B.A., <i>University Fellow</i>	2 University pl.
CLINTON F. ZERWECK, M.A., <i>Graduate Scholar</i>	115 Howe st.

PART II

GOVERNMENT OF THE UNIVERSITY

GOVERNMENT OF THE UNIVERSITY

The legal designation of the Corporation is "THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN," or "YALE UNIVERSITY"; the powers of this body have been granted and confirmed in the following order.

CHARTER OF THE COLLEGIATE SCHOOL

THE COLLEGIATE SCHOOL OF CONNECTICUT, subsequently named YALE COLLEGE, and now called YALE UNIVERSITY, was founded by the combined action of a few of the ministers in Connecticut, who obtained in October, 1701, a Charter from the Colony Legislature, which runs as follows:—

AN ACT FOR LIBERTY TO ERECT A COLLEGIATE SCHOOL.

WHEREAS several well disposed, and Publick spirited Persons of their sincere regard to & Zeal for upholding & Propagating of the Christian Protestant Religion by a succession of Learned & Orthodox men have expressed by Petition their earnest desires that full Liberty and Priveledge be granted unto certain Undertakers for the founding, suitably endowing & ordering a Collegiate School within his Maj^{ties} Colony of Connecticut wherein Youth may be instructed in the Arts & Sciences who thorough the blessing of Almighty God may be fitted for Publick employment both in Church & Civil State. To the intent therefore that all due incouragement be Given to such Pious Resolutions and that so necessary & Religious an undertakeing may be sett forward, supported and well managed:—

BE IT ENACTED by the Govern^r & Company of the s^d Colony of Connecticut in General Court now Assembled, And it is enacted & ordained by the Authority of the same that there be & hereby is full Liberty, Right and Priveledge Granted unto the Reverend M^r. James Noyes of Stonnington, M^r. Israel Chauncey of Stratford, M^r. Thomas Buckingham of Saybrook, M^r. Abraham Pierson of Kennelworth, M^r. Samuel Mather of Windsor, M^r. Samuel Andrew of Milford, M^r. Timothy Woodbridge of Hartford, M^r. James Pierpont of New Haven, M^r. Noadiah Russel of Middletown, M^r. Joseph Webb of Fairfield, being Rev^{rs} Ministers of the Gospel & inhabitants within y^e s^d Colony,

proposed to stand as Trustees, Partners or Undertakers for the s^d School, to them and their successors, To ERECT, form, direct, order, establish, improve and att all times in all suitable wayes for the future to encourage the s^d School in such convenient place or Places, & in such form & manner & under such orders & Rules as to them shall seem meet & most conducive to the afores^d end thereof, so as such Rules or Orders be not repugnant to the Laws of the Civil Govern^t, as also to employ the moneys or any other estate which shall be Granted by this Court or otherwise Contributed to that use according to their discretion for the benefit of the s^d Collegiate School from time to time & att all times henceforward.

And be it further ENACTED by the Authority afores^d that the before named Trustees, Partners or Undertakers together with such others as they shall associate to themselves (not exceeding the number of Eleven, or att any time being less than Seven. Provided also that Persons nominated or associated from time to time to fill up s^d number be ministers of the gospel inhabiting within this Colony & above the Age of forty years) or the major Part of them, the s^d M^r. James Noyes, [etc.] undertakers, & of such Persons so chosen & associated as aboves^d att any time hereafter, HAVE and shall have henceforward the oversight, full & compleat Right, Liberty, power & Priveledge to furnish, direct, manage, order, improve & encourage from time to time & in all times hereafter the s^d Collegiate School so Erected & formed by them in such ways, orders & manner & by such Persons, Rector or Master and officers appointed by them, as shall according to their best discretion be most conducive to attaine the afores^d mentioned end thereof. . . .

It is also further Enacted by the Authority afores^d that the s^d Undertakers & Partners & their successors be & hereby are further empowered to have, accept, acquire, purchase or otherwise lawfully enter upon Any Lands, Tenements & Hereditam^{ts} to the use of the s^d School, not exceeding the value of five hundred Pounds p^r Anⁿ, & any Goods, Chattels, Sum or Sums of money whatsoever as have heretofore already been Granted, bestowed, bequeathed or given, or as from time to time shall be freely given, bequeathed, devised or settled by any Person or Persons whatsoever upon & to & for the use of y^e s^d School towards the founding, erecting or endowing the same, & to sue for, Recover & receiv all such Gifts, Legacies, bequests, annuities, Rents, issues & profits arising therefrom & to imploy the same accordingly, & out of y^e estate, Revenues, Rents, profits, incomm accrueing & belonging to s^d School to support & pay as the s^d Undertakers shall agree & see cause, the s^d Rector or Master, Tutors, Ushers or other officers their Respective annual Salaries or Allowances. As also for the encouragem^t of the Students to grant degrees or Licences as they or those deputed by them shall see cause to order & appoint.

Under this Charter the Collegiate School was begun in November, 1701, at Saybrook, where it continued until its removal to New Haven, in October, 1716. In September, 1718, the name of YALE COLLEGE was given by the Trustees to the School, in honor of the benefactions of ELIHU YALE, of London, lately Governor of the East India Company's settlement at Madras.

ADDITIONAL ACT OF 1723

In 1723 an "ACT IN EXPLANATION OF AND ADDITION TO THE ACT FOR ERECTING A COLLEGIATE SCHOOL" was passed by the General Assembly, with the following provisions :—

WHEREAS Pursuant to the Powers and Priviledges granted to Certain Trustees for Erecting a Collegiate School in this Colony Entituled an Act for a Collegiate School, the Said Trustees have Erected the said School in the Town of New-Haven which School is now known by the Name of Yale Colledge ; And Whereas it appears to this Assembly that an Explanation and Enlargement of the powers and priviledges granted by Said Act is Necessary for the Carrying on the Affairs of the Said Colledge, for want of which it has Laboured under great difficulties very much to the prevention of that Order and good Education which is to be desired there :

Bee it therefore Enacted by the Governour, Council and Representatives in Generall Court assembled and by the Authority of the Same that the Said Act which provides that the Number of the Said Trustees be not under Seven nor above Eleven is not to be Understood or Taken so as to be restrictive of the power of the Said Trustees Never to Choose any person to be a Trustee, when there is of Such persons as have been Chosen and Acted as Trustees Eleven persons Living in the Colony or Elsewhere, but that in Case any person so Chosen be by Providence Incapacitated from attending that Service or shall himself decline the Same thro' the Necessity of his own Affairs or for any other such Reason as he shall Judge requisite, the Trustees in any of their Meetings Lawfully Called may be Understood to have and it is hereby Enacted and declared that they shall be Taken to have full power by the Majority of Such Meeting to proceed to the Choice of Another Trustee in the Room of any such person. And it is hereby further declared and Enacted to be the True Intent and Meaning of the Act afores^d that the said Trustees shall be Impowered and they are hereby declared to have power to Meet Together for Considering, Advising

about and Resolving upon all Matters belonging to the Trust of the Said Colledge committed unto them as afores^d and to Agree and Conclude, Order and determine Concerning them by the Majority of the Said Meeting, and by the same Majority to Choose and Appoint a Clerk who shall, in a fair book prepared for that End, Register and Carefully preserve the Acts of all such Meetings.

And WHEREAS it has been doubted what Number of the Said Trustees may be Lookt upon as a Sufficient or full Meeting, Inasmuch as there is not in the afores^d Act any Express mention made of any Meeting of the said Trustees; It is therefore to prevent all Scruple of that kind for the future hereby provided and declared that due Notice being given to the Trustees by Consent of any three of them of a Meeting of the Trustees desired at any Time or place, and Seven or more of the Trustees present at such Time and place shall be Esteemed a full Meeting. And it is hereby declared and Enacted that in all such Meetings, so Called, or Otherwise as the said Trustees in any such Meeting shall agree, all affairs under the Care of the said Trustees shall be determined by the majority of such meeting.

And WHEREAS it has been found Inconvenient that in the Election of Persons to be Trustees, the Trustees Election by the afores^d Act should be Limited and restrained so as that the Person who shall be Chosen must Necessarily be fourty Years of age; It is hereby declared and Enacted that for the future the said Trustees in any Election of a person into that Trust shall not be Esteemed or held Obliged by said Act to Choose such a person as shall be above fourty Years of Age, but may Choose such a person otherwise Qualified According to said Act, Provided he is thirty Years of Age. And it is further hereby Allowed, Enacted, Granted and Provided that whosoever shall be Chosen and made a Rector of the said Colledge shall by Virtue thereof become a Trustee of the same and be so Esteemed and Taken during his Continuance in the said Rectorship.

CHARTER OF YALE COLLEGE

In 1745 a thoroughly revised Charter was granted by the Assembly; the provisions of permanent interest are as follows:—

An ACT for the more full and complete Establishment of YALE COLLEGE in NEW HAVEN, and for enlarging the Powers and Privileges thereof.

WHEREAS upon the Petition of several well-disposed and public-spirited Persons expressing their desire that full Liberty and Privilege might be granted unto Certain Undertakers for the founding, suitably endowing and ordering a *Collegiate School*, within this Colony,

wherein Youth might be instructed in the Arts and Sciences, the Governor and Company of the said Colony in General Court assembled at *New Haven*, on the Ninth Day of October, in the Year of our Lord 1701, Granted unto the Rev'd Messrs. *James Noyes* [etc.], who were proposed to stand as Trustees, Partners, or Undertakers for the Society, and to their Successors, full Liberty, Right and Privilege to erect, form, direct, order, establish, improve, and at all Times in all suitable Ways to encourage the said School in some convenient Place in this Colony, and granted sundry Powers and Privileges for the attaining the End aforesaid ;

And Whereas the said Trustees, Partners or Undertakers in pursuance of the aforesaid Grant, Liberty and License, founded a *Collegiate School* at *New Haven*, known by the Name of YALE COLLEGE, which has received the favorable Benefactions of many Liberal and piously disposed Persons, and under the Blessing of Almighty God has trained up many worthy Persons for the Service of God in the State as well as in the Church ;

And Whereas the General Court of this Colony assembled at *New Haven*, the Tenth day of October, in the Year of our Lord 1723, did explain and enlarge the aforesaid Powers and Privileges granted to the aforesaid Partners, Trustees or Undertakers and their Successors, for the Purpose aforesaid ; as by the respective Acts, reference thereto being had, more fully and at large may appear ;

And Whereas the Rev'd Messrs. *Thomas Clap*, *Samuel Whitman*, *Jared Eliot*, *Ebenexer Williams*, *Jonathan Marsh*, *Samuel Cooke*, *Samuel Whittelsey*, *Joseph Noyes*, *Anthony Stoddard*, *Benjamin Lord*, and *Daniel Wadsworth*, the present Trustees, Partners and Undertakers of the said School, and Successors of those beforementioned, have petitioned, that the said School, with all the Rights, Powers, Privileges and Interests thereof, may be confirmed, and that such other additional Powers and Privileges may be granted as shall be necessary for the Ordering and Managing the said School, in the most advantageous and beneficial Manner for the promoting all good Literature in the present and succeeding Generations : Therefore,

THE GOVERNOR and COMPANY of his Majesty's said English Colony of *Connecticut* in General Court assembled, this Ninth Day of *May*, in the Year of our Lord 1745, enact, ordain, and declare, and by these Presents it is enacted, ordained, and declared—

That the said *Thomas Clap* [etc.], shall be an *Incorporate Society* or *Body Corporate and Politic*, and shall hereafter be called and known by the name of THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN, and that by the same Name they and their Successors shall and may have perpetual Succession, and shall and may be Persons in the Law capable to plead and be impleaded, defend and be defended, and

answer and be answered unto ; and also to have, take, possess, acquire, purchase, or otherwise receive Lands, Tenements, Hereditaments, Goods, Chattels, or other Estates, and the same Lands, Tenements, Hereditaments, Goods, Chattels, or other Estates to grant, demise, lease, use, manage or improve for the Good and benefit of the said *College*, according to the Tenor of the Donation, and their Discretion.

That all Gifts, Grants, Bequests, and Donations of Lands, Tenements, or Hereditaments, of Goods and Chattels heretofore made to or for the Use, Benefit and Advantage of the *Collegiate School* aforesaid, whether the same be expressed to be made to the President or Rector, and to the rest of the Incorporate Society of *Yale College*, or to the Trustees or Undertakers of the *Collegiate School* in *New Haven*, or to the Trustees by any other Name, Style or Title whatsoever, whereby it may be clearly known and understood that the true Intent and Design of such Gifts, Grants, Bequests and Donations, was to or for the Use, Benefit and Advantage of the Collegiate School aforesaid, and to be under the Care and Disposal of the Governors thereof, shall be confirmed, and the same hereby are confirmed, and shall be and remain to, and be vested in the President and Fellows of the *College* aforesaid, and their Successors, as to the true and lawful Successors of the original Grantees.

That the said PRESIDENT AND FELLOWS and their Successors shall and may hereafter have a common Seal, to serve and use for all Causes, Matters and Affairs of them and their Successors, and the same Seal to alter, break, and make new as they shall think fit.

That the said THOMAS CLAP shall be, and he is hereby established the present PRESIDENT, and the said *Samuel Whitman* [etc.] shall be, and they are hereby established the present FELLOWS of the said College, and that they and their Successors shall continue in their respective Places during Life, or until they or either of them shall resign, or be removed, or displaced, as in this Act is hereafter expressed.

That there shall be a General Meeting of the *President and Fellows* of said *College*, in the College Library on the second Wednesday of September annually, or at any other Time and Place which they shall see Cause to appoint, to consult, advise and act in and about the Affairs and Business of the said College ; and that on any special Emergency, the President and two of the Fellows, or any four of the Fellows, may appoint a Meeting of the said College, provided they give Notice thereof to the Rest by Letters sent and Left with them, or at the Places of their respective Abode, five Days before such Meeting ; and that the President and six Fellows, or in Case of the Death, Absence, or Incapacity of the President, seven Fellows, convened as aforesaid (in which Case the eldest Fellow shall preside), shall be deemed a Meeting of the President and Fellows of said College, and that in all the said Meetings, the Major Vote of the Members present shall be deemed the Act of the

Whole, and where an Equivote happens, the President shall have a casting Vote.

That the President and Fellows of the said College and their Successors, in any of their Meetings assembled as aforesaid, shall and may from Time to Time, as Occasion shall require, elect and appoint a President or Fellow in the Room and Place of any President or Fellow who shall die, resign, or be removed from his office, Place or Trust (whom the said Governor and Company hereby declare, for any Misdemeanor, Unfaithfulness, Default or Incapacity, shall be removable by the President and Fellows of the said College ; Six of them, at least, concurring in such Act) ; and shall have Power to appoint a Scribe or Register, a Treasurer, Tutors, Professors, Steward, and all such other Officers and Servants, usually appointed in Colleges or Universities, as they shall find necessary and think fit to appoint for the promoting good Literature, and the well ordering and managing the Affairs of said College ; and them or any of them, at their Discretion, to remove ; and to prescribe and administer such Forms of Oaths (not being contrary to the Laws of England or of this Colony) as they shall think proper, to be administered to all the Officers and Instructors of the said College, or to such and so many of them as they shall think proper, for the faithful Execution of their respective Places, Offices and Trusts.

That the President and Fellows shall have the Government, Care and Management of the said College and all the Matters and Affairs thereunto belonging, and shall have Power from Time to Time, as Occasion shall require, to make, ordain and establish all such wholesome and reasonable Laws, Rules and Ordinances, not repugnant to the Laws of England, nor the Laws of this Colony, as they shall think fit and proper for the Instruction and Education of the Students, and Ordering, Governing, Ruling and Managing the said College, and all Matters, Affairs, and Things thereunto belonging, and the same to Repeal and alter as they shall think fit ; which shall be laid before this Assembly as often as required, and may also be repealed or disallowed by this Assembly when they shall think proper.

That the President of said College, with the Consent of the Fellows, shall have Power to give and confer all such Honors, Degrees or Licenses as are usually given in Colleges or Universities, upon such as they shall think worthy thereof.

LATER ACTS OF THE LEGISLATURE

In 1792 a grant of money from the State of Connecticut was received, upon the condition that certain State officials should become members of the Board of Fellows, as below expressed :—

In case this grant shall be accepted, in manner as hereinafter provided, the Governor, Lieutenant Governor, and six senior assistants in the Council* of this State, for the time being, shall ever hereafter, by virtue of their said offices, be trustees or fellows of said College ; and shall together with the present President and Fellows of said College, and their successors, constitute one corporation, by the name and style mentioned in the charter of said College ; and shall have and enjoy the same powers, privileges, and authority, in as full and ample a manner, as though they had been expressly named and included in said charter ; And that in case of vacancy, by the death, or resignation, or in any other way, of any of the present Fellows of said College, and their successors, every such vacancy shall forever hereafter be supplied by them, and their successors, by election, in the same manner as though this act had never passed.

In the State Constitution, adopted in 1818, the privileges conferred by the Charter were reaffirmed, as follows :—

ARTICLE VIII, SECT. I.

The charter of Yale College, as modified by agreement with the Corporation thereof, in pursuance of an Act of the General Assembly, passed in May, 1792, is hereby confirmed.

In 1872, at the request of the Corporation, an Act was passed by the General Assembly, providing (as follows) for the substitution of graduates in the place of the six senators among the Fellows :—

SECTION I.—All graduates of the first degree, of five or more years' standing, in any of the departments of Yale College, and all persons who have been admitted to any degree higher than the first in Yale College, whether honorary or in course, may, on the day next preceding the public commencement day of said College, in the year of our Lord 1872, cast their votes, under such regulations as the President and Fellows may prescribe, for six persons to be chosen from among such graduates ; and the six persons who shall be found to be elected by a plurality of the votes cast, shall be the Fellows of Yale College in the stead of the six senior senators of the State, and shall have all the rights, duties, and privileges as Fellows which are now by law conferred upon said senators. In case of an equality of votes between two or more candidates, the person who shall hold the said office of Fellow shall be designated by lot from among the persons receiving such equality of votes.

* Changed in 1819 to the six senior senators.

SECTION 2.—The Fellows thus elected shall enroll themselves by lot in six classes, one holding the office for six years, another for five years, another for four years, another for three years, another for two years, and another for one year, eligible for re-election; and every year as a vacancy occurs, all graduates of the first degree, of five or more years' standing, in any of the departments of Yale College, and all persons who have been admitted to any degree higher than the first in Yale College, whether honorary or in course, may, upon the day next preceding commencement day, in the manner heretofore prescribed, elect by a plurality of votes a person to fill the vacancy, and hold the office of Fellow for a period of six years, eligible for re-election; and so whenever a vacancy shall occur from death, resignation, or any other cause, such graduates may elect a person at the next commencement to fill the office of Fellow for the remainder of the term in which a vacancy has occurred. The official year of such Fellows shall end with the day next preceding each commencement day.

In March, 1887, an Act passed the General Assembly of the State, authorizing the use of the title "YALE UNIVERSITY" by the President and Fellows of Yale College, and providing that gifts to, contracts with, conveyances to or by, and other acts affecting said Corporation by either of the names specified shall be valid.

GOVERNMENT OF THE DIFFERENT DEPARTMENTS

The courses of study offered in the University are comprehended in four Departments, under the control of the Corporation, each Department being also under the administration of a distinct Faculty of instruction. The Departments are as follows :—

THE DEPARTMENT OF PHILOSOPHY AND THE ARTS;

THE DEPARTMENT OF THEOLOGY;

THE DEPARTMENT OF MEDICINE;

THE DEPARTMENT OF LAW.

Under the first-named Department are included two separately organized sections in which instruction for undergraduates is provided, viz :—

THE ACADEMICAL DEPARTMENT, and
THE SHEFFIELD SCIENTIFIC SCHOOL ;

also, THE SCHOOL OF THE FINE ARTS, the DEPARTMENT OF MUSIC and the FOREST SCHOOL, each with a special organization, and THE GRADUATE SCHOOL, under the combined Faculty of the Department.

It is to be understood that the courses of study above described are open to men only, except when both sexes are specifically included.

The LIBRARY, the PEABODY MUSEUM OF NATURAL HISTORY, the OBSERVATORY, the BOTANICAL GARDEN and the SUMMER SCHOOL OF ARTS AND SCIENCES, are severally organized independently of the special Departments, and are designed to contribute, in their appropriate spheres, to the instruction and advancement of the whole institution. These Institutions and others connected with the University, and open to all of its students, are described in Part IV of this Catalogue.

PART III

DEPARTMENTS OF INSTRUCTION

ACADEMICAL DEPARTMENT (YALE COLLEGE)

FACULTY

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

HENRY PARKS WRIGHT, PH.D., LL.D., *Dunham Professor of the Latin Language and Literature, and Dean of the College Faculty*

ARTHUR MARTIN WHEELER, LL.D., *Durfee Professor of History*

ARTHUR WILLIAMS WRIGHT, PH.D., *Professor of Experimental Physics*

EUGENE LAMB RICHARDS, M.A., *Professor of Mathematics*

TRACY PECK, LL.D., *Professor of the Latin Language and Literature*

REV. CORNELIUS LADD KITCHEL, M.A., *Secretary of the Bureau of Self Help and Appointments*

WILLIAM GRAHAM SUMNER, LL.D., *Pelotiah Perit Professor of Political and Social Science*

CHARLES HENRY SMITH, LL.D., *Larned Professor of American History*

HENRY AUGUSTIN BEERS, M.A., *Professor of English Literature*

BERNADOTTE PERRIN, PH.D., LL.D., *Lampson Professor of the Greek Language and Literature*

EDWARD SALISBURY DANA, PH.D., *Professor of Physics, and Curator of the Mineralogical Collection*

THOMAS DAY SEYMOUR, LL.D., *Hillhouse Professor of the Greek Language and Literature*

FRANK AUSTIN GOOCH, PH.D., *Professor of Chemistry*

ALBERT STANBURROUGH COOK, PH.D., L.H.D., *Professor of the English Language and Literature*

WILLIAM BEEBE, M.A., *Professor of Mathematics, and Instructor in Astronomy*

ANDREW WHEELER PHILLIPS, PH.D., *Professor of Mathematics*

GEORGE BURTON ADAMS, PH.D., LITT.D., *Professor of History*

EDWARD PARMELEE MORRIS, M.A., L.H.D., *Professor of the Latin Language and Literature*

HENRY ROSEMAN LANG, PH.D., *Professor of Romance Philology*

ROBERT LOUIS SANDERSON, M.A., *Assistant Professor of French*

THOMAS DWIGHT GOODELL, PH.D., *Professor of the Greek Language and Literature*

ARTHUR HUBBELL PALMER, M.A., *Professor of the German Language and Literature*

FREDERICK WELLS WILLIAMS, B.A., *Assistant Professor of Modern Oriental History*

HORATIO MCLEOD REYNOLDS, M.A., *Talcott Professor of the Greek Language and Literature*

FREDERICK MORRIS WARREN, PH.D., L.H.D., *Street Professor of Modern Languages*

GEORGE MARTIN DUNCAN, LL.D., *Professor of Logic and Metaphysics*

E. HERSHEY SNEATH, PH.D., LL.D., *Professor of the Theory and Practice of Education*

EDWARD GAYLORD BOURNE, PH.D., *Professor of History*

GUSTAV GRUENER, PH.D., *Professor of German*

CHARLES CUTLER TORREY, PH.D., *Professor of the Semitic Languages*

• ALBERT EUGENE CURDY, PH.D., *Instructor in French*

JOHN CHRISTOPHER SCHWAB, PH.D., *Professor of Political Economy*

CHARLTON MINER LEWIS, PH.D., *Emily Sanford Professor of English Literature*

WILLIAM LYON PHELPS, PH.D., *Lampson Professor of English Literature*

IRVING FISHER, PH.D., *Professor of Political Economy*

JAMES PIERPONT, PH.D., *Professor of Mathematics*

HANNS OERTEL, PH.D., *Professor of Linguistics and Comparative Philology*

CHARLES SEARS BALDWIN, PH.D., *Assistant Professor of Rhetoric*

PHILIP EMBURY BROWNING, PH.D., *Assistant Professor of Chemistry*

OLIVER HUNTINGTON RICHARDSON, PH.D., *Assistant Professor of History*

CHARLES FOSTER KENT, PH.D., *Woolsey Professor of Biblical Literature*

CECIL KITTREDGE BANCROFT, B.A., *Instructor in Latin*

KENNETH MCKENZIE, PH.D., *Instructor in Romance Languages*

JAMES W. D. INGERSOLL, PH.D., *Assistant Professor of Latin*

- CLOYD NORTH MCALLISTER, PH.D., *Instructor in Psychology*
JOSEPH BARRELL, PH.D., *Assistant Professor of Geology*
DAVID ALBERT KREIDER, PH.D., *Assistant Professor of Physics*
CLIVE DAY, PH.D., *Assistant Professor of Economic History*
HENRY CROSBY EMERY, PH.D., *Professor of Political Economy*
ALFRED KINDRED MERRITT, B.A., *Registrar of the College Faculty*
WILLIAM OLIVER FARNSWORTH, M.A., *Instructor in French*
EDWARD BLISS REED, PH.D., *Assistant Professor of English*
CHARLES GROSVENOR OSGOOD, JR., PH.D., *Instructor in English*
WILLIAM BACON BAILEY, PH.D., *Assistant Professor of Political
Economy*
ISAAC KING PHELPS, PH.D., *Instructor in Chemistry*
PAUL VICTOR CHRISTOPHER BAUR, PH.D., *Tutor in Classical Arch-
æology*
CHARLES HUBBARD JUDD, PH.D., *Assistant Professor of Psychology*
EMERSON GIFFORD TAYLOR, PH.D., *Tutor in Rhetoric*
GUY STANTON FORD, PH.D., *Instructor in History*
ALBERT GALLOWAY KELLER, PH.D., *Assistant Professor of the Science
of Society*
HOLLON AUGUSTINE FARR, PH.D., *Instructor in German*
RUDOLPH SCHWILL, PH.D., *Instructor in Spanish*
HERBERT ERNEST GREGORY, PH.D., *Silliman Professor of Geology*
JOHN CHESTER ADAMS, PH.D., *Instructor in English*
WILLIAM MILTON HESS, PH.D., *Lecturer in Philosophy and Recorder*
HERBERT EDWIN HAWKES, PH.D., *Assistant Professor of Mathematics*
EDWARD LEWIS DURFEE, B.A., *Instructor in History*
CHARLES UPSON CLARK, PH.D., *Assistant Professor of Latin*
SAMUEL ELIOT BASSETT, B.A., *Tutor in Greek*
ROBERT KILBURN ROOT, PH.D., *Instructor in English*
HENRY BURT WRIGHT, PH.D., *Tutor in Greek and Latin*
EDWIN BIDWELL WILSON, PH.D., *Instructor in Mathematics*
JOHN PEASE NORTON, PH.D., *Instructor in Political Economy*
CHAUNCEY BREWSTER TINKER, PH.D., *Tutor in English*
ARTHUR SULLIVAN GALE, PH.D., *Instructor in Mathematics*
GEORGE MERRICK BAKER, B.A., *Instructor in German*
MASON TROWBRIDGE, B.A., *Instructor in Rhetoric*

ADDITIONAL INSTRUCTORS

WILLIAM GILBERT ANDERSON, B.A., M.D., *Director of the Gymnasium*
RAYMOND HARMAN ASHLEY, B.S., *Assistant in Chemistry in the Kent
Chemical Laboratory*

Rev. BENJAMIN WISNER BACON, LITT.D., D.D., *Buckingham Professor
of New Testament Criticism and Interpretation*

MARK BAILEY, M.A., *Instructor in Elocution*

HON. SIMEON EBEN BALDWIN, LL.D., *Professor of Constitutional Law,
Corporations, and Wills*

GILBERT GIDDINGS BENJAMIN, M.A., *Assistant in History*

JOHN MILTON BERDAN, PH.D., *Instructor in Rhetoric*

AVARD LONGLEY BISHOP, M.A., *Instructor in Commercial Geography*

JAMES BROWN, M.A., *Assistant in Chemistry in the Kent Chemical
Laboratory*

DOUGLAS LABAREE BUFFUM, PH.D., *Instructor in French*

GUY STEVENS CALLENDER, PH.D. *Professor of Political Economy*

LACEY DAVIS CASKEY, B.A., *Instructor in Greek and Latin*

RUSSELL HENRY CHITTENDEN, PH.D., LL.D., D.Sc., *Professor of
Physiological Chemistry*

WESLEY ROSWELL COE, PH.D., *Assistant Professor of Comparative
Anatomy*

ARTHUR LINTON CORBIN, B.A., LL.B., *Assistant Professor of Contracts*

ROBERT NELSON CORWIN, PH.D., *Professor of German*

ALEXANDER WILLIAM EVANS, M.D., PH.D., *Assistant Professor of Botany*

FRED ROGERS FAIRCHILD, PH.D., *Instructor in Economics*

HARRY BURR FERRIS, M.D., *Hunt Professor of Anatomy*

CHARLES PAXTON FLORA, B.A., *Assistant in Chemistry in the Kent
Chemical Laboratory*

CLYDE CHEW GLASCOCK, PH.D., *Instructor in German*

ALBERT EDWARD GUBELMANN, M.A., *Instructor in German*

WILLIAM EDWIN HAESCHE, MUS.B., *Instructor in Instrumentation*

ALBERT HILEMAN, B.A., *Assistant in Chemistry in the Kent Chemical
Laboratory*

EDWARD WASHBURN HOPKINS, PH.D., LL.D., *Professor of Sanskrit
and Comparative Philology*

HARRY BENJAMIN JEPSON, B.A., MUS.B., *Assistant Professor of
Applied Music, and University Organist*

CHARLES EARL JOHNSTON, PH.B., *Instructor in Insurance*

HENRY STANLEY KNIGHT, *Assistant Professor of Applied Music*

JOSEPH LEHN KREIDER, B.S., *Assistant in Chemistry in the Kent
Chemical Laboratory*

Rev. GEORGE TRUMBULL LADD, D.D., LL.D., *Professor of Moral
Philosophy and Metaphysics*

ELLIS EARL LAWTON, PH.B., *Assistant in Physics in the Sloane Phys-
ical Laboratory*

Rev. FREDERIC LENT, M.A., *Instructor in Biblical Literature*

HERBERT SAMUEL MALLORY, PH.D., *Instructor in English*

WILLIAM CROSBY MARSHALL, M.E., C.E., *Assistant Professor of Draw-
ing and Descriptive Geometry*

RALPH NELSON MAXSON, B.S., *Assistant in Chemistry in the Kent
Chemical Laboratory*

JOHN MILTON MILLER, *Assistant in Physics in the Sloane Physical Lab-
oratory*

HERBERT SPENCER MURCH, M.A., *Assistant in English*

JOHN HENRY NIEMEYER, M.A., *Street Professor of Drawing*

WALLACE NOTESTEIN, M.A., *Assistant in History*

HORATIO WILLIAM PARKER, M.A., MUS.D., *Battell Professor of the
Theory of Music*

JULIUS HALL PARMELEE, B.A., *Assistant in Statistics*

SYLVESTER DAVID POWELL, M.A., *Assistant in History*

CHARLES RABOLD, *Instructor in Singing*

DAVID LINDSEY RANDALL, B.A., *Assistant in Chemistry in the Kent
Chemical Laboratory*

CHARLES BRINCKERHOFF RICHARDS, M.A., *Higgin Professor of Mechan-
ical Engineering*

ROLAND GEORGE DWIGHT RICHARDSON, M.A., *Instructor in Mathe-
matics*

HENRY HOLLISTER ROBINSON, C.E., PH.D., *Instructor in Geology*

Rev. FRANK KNIGHT SANDERS, PH.D., D.D., *Professor of Biblical
History and Archaeology*

SAMUEL SIMONS SANFORD, M.A., *Professor of Applied Music*

DAVID STANLEY SMITH, B.A., MUS.B., *Instructor in the Theory of
Music*

SIDNEY IRVING SMITH, M.A., *Professor of Comparative Anatomy*

Rev. GEORGE BARKER STEVENS, PH.D., D.D., LL.D., *Dwight Professor of Systematic Theology*

LEONARD MERRILL TARR, M.A., *Lecturer on Meteorology*

WILLIAM JAMES TAYLOR, PH.D., *Lecturer on the Theory of Education*

JOHN QUILLIN TILSON, M.L., *Proctor*

ISIDOR TROOSTWYK, *Assistant Professor of Applied Music, and Instructor in Violin-Playing*

FRANK PELL UNDERHILL, PH.D., *Instructor in Physiological Chemistry*

RALPH GIBBS VANNAME, PH.D., *Instructor in Chemistry*

ALBERT EBENEZER VESTLING, B.A., *Instructor in German*

FREEMAN WARD, B.A., *Assistant in Geology*

GEORGE DUTTON WATROUS, D.C.L., *Professor of Contracts, Torts, and Estates*

LUTHER ALLEN WEIGLE, M.A., *Assistant in Psychology*

JOHN FERGUSON WEIR, N.A., M.A., *William Leffingwell Professor of Painting and Design*

ARCHIBALD ASHLEY WELCH, B.A., *Instructor in Insurance*

PHILIP PATTERSON WELLS, PH.D., *Assistant in History*

DE WINTER, PH.D., *Instructor in Rhetoric*

THEODORE SALISBURY WOOLSEY, LL.D., *Professor of International Law*

JOHN WURTS, M.A., M.L., *Lafayette S. Foster Professor of Common Law*

GEORGE ZAHM, M.L., *Assistant Professor of Law*

HENRY MINOTT OSBORN, *College Bursar*

FRANK EDWIN HOTCHKISS, *Superintendent of Grounds and Buildings*

GEORGE HANFORD BUTLER, *Cashier in Bursar's Office*

WILBUR ALLEN MAYNARD, *Assistant in the Bursar's Office*

Mrs. CHARLES TODD LINCOLN, *Private Secretary to the Dean*

STANDING COMMITTEES

On Admission—Professor WARREN, Acting Chairman; Professors PERRIN, GOODELL, GRUENER, REED, and HAWKES, Mr. BANCROFT, and Mr. MERRITT.

On Freshman Class Administration—Mr. BANCROFT, Chairman ; Professors BROWNING and HAWKES, Doctors FARR, ROOT, and WRIGHT.

On the Course of Study—Professors GOOCH, PHILLIPS, DUNCAN, BOURNE, GRUENER, SCHWAB, LEWIS, and KENT.

On Changes in Elective Courses—Professor BEEBE, Mr. MERRITT, and Dr. FARR.

On Enrollment—Professors GOOCH, ADAMS, and DUNCAN.

On Honors—Professors GOOCH, PALMER, and BOURNE.

On Public Entertainments—Professors REYNOLDS, SCHWAB, and LEWIS.

On the College Choir—Professors SEYMOUR, PERRIN, and PARKER.

On the M.A. Degree—Professors WHEELER and PHILLIPS.

On the B.A. Degree—Professors SMITH, DUNCAN, and LEWIS.

On Semi-Annual Examinations—Professors INGERSOLL and DAY, and Dr. FARR.

On Undergraduate Scholarships—Professors GOODELL, DUNCAN, and EMERY.

HISTORY OF THE COLLEGE

From the date of the original Charter, in 1701, a course of instruction leading to the degree of Bachelor of Arts has been continuously offered at the College ; at first only three years of undergraduate study were required, but before 1710 a four years' course was provided, which has since been maintained.

Until 1813, when a Medical School was organized, no other course of study for a degree was marked out at Yale College ; but with the incorporation of the Medical Institution (as it was originally styled) the older Department began to be called the Academical Institution (or Department), and has continued to be so named until at length, with the growth of other Schools about it and the expansion of the whole into Yale University, the original title of Yale College is again applied distinctively to this Department.

TERMS OF ADMISSION

ALL CANDIDATES FOR ADMISSION to the Freshman class are examined in the following books and subjects, with the alternatives indicated ; certificates of standing elsewhere are not accepted in place of this examination, except in certain cases when a candidate brings evidence that he has passed the whole of Freshman year in good standing in another college. (See page 75.)

I. ANCIENT LANGUAGES

1. Latin Grammar.*

2. Ovid—*Metamorphoses*, translation at sight.*

* In view of the importance of the acquisition of thorough familiarity with Latin forms and syntax as a basis for college work in Latin, and of the fact that a large proportion of the candidates for admission to college are only very moderately proficient in these subjects, more stress will be laid on the subject of Latin Grammar in the entrance examinations hereafter, as follows :

In and after June, 1906 (and optionally in June and September, 1905) the examination in Ovid will be omitted and there will be a double paper in Latin Grammar.

3. Cicero—the orations against Catiline and for Archias; and, in addition, either the *Milo*, or the *Manilian Law*, or the *Cato Major*, or the *Marcellus* and the 14th *Philippic*.

4. Vergil—the first six books of the *Aeneid* (including prosody); and, in addition, either the *Bucolics* or the eighth and ninth books of the *Aeneid*.

5. The translation, at sight, of passages from Nepos and Caesar.

6. The translation into Latin of connected passages of English prose.

7. Roman History to the death of Augustus.

8. Greek Grammar.

9. Xenophon—*Anabasis*, four books. To this paper will be added a passage from some work of Xenophon to be translated at sight.

10. Homer—*Iliad*, three books, with Prosody. To this paper will be added a passage from the poems of Homer, to be translated at sight with the aid of a vocabulary of the less familiar words. Four books of the *Odyssey* may be substituted for three books of the *Iliad*.

11. The translation into Greek of connected passages of English prose, employing the vocabulary and idioms of the first four books of Xenophon's *Anabasis*.

Equivalents will be accepted for the above requirements in Greek—(8, 9, 10, and 11); see page 71.

12. Greek History to the Roman conquest.

In the examinations in Latin and Greek much weight is given to the papers in Grammar; those in Composition and the passages for translation at sight in the other papers are also read and marked with special care, since these test particularly the power of putting one's knowledge of forms and syntax to actual use.

The examination in Latin Grammar in 1905 will be based upon the second, third, and fourth orations of Cicero against Catiline. Students who do not read Cicero until the last year of their preparatory course are therefore advised to reserve Latin Grammar for their final examination. The examination in Greek Grammar in 1905 will be based on the first two books of Xenophon's *Anabasis*.

On other classical papers grammatical questions are asked only to test the candidate's understanding of a passage, or on poetic forms

Latin Grammar (a) will include forms only, and Latin Grammar (b) will be confined to syntax. The general character of the examination will be the same as heretofore, but there will be a larger number of questions and the papers will be more strictly marked.

The examination in Latin Grammar cannot ordinarily be divided and either (a) or (b) taken separately, but in cases where there is only slight deficiency in only one part of the paper, credit may be given for the other part alone, in which case the examination in the deficient part may subsequently be taken separately.

and constructions (including prosody) in Homer and Vergil. But good translation, even of prepared passages, requires a practical knowledge of grammatical principles, especially of the body of syntax.

In order to allow preparatory schools freedom in arranging their courses of work, alternative equivalents are provided in the authors set. Thus the paper on Cicero contains questions on all the orations named in the list above, and on the Vergil paper passages are set from the eighth and ninth books of the *Aeneid* as a substitute for the *Bucolics*. Papers will be prepared also on other parts of Vergil, on other orations of Cicero, on other portions of the works of Xenophon than the first four books of the *Anabasis*, and on other books of Homer than the first three and the sixth of the *Iliad*, and books i-iv and ix-xii of the *Odyssey*, provided information is given to the Registrar, Mr. A. K. Merritt, before May 1, that such a paper is desired.

In the translations at sight from Greek and Latin, the candidate is expected to show accurate knowledge of the forms and structure of the language, and comprehension of the meaning of the whole passage set.

The passages for translation from English into Greek and Latin call for acquaintance with the vocabulary and style of simple narrative.

Teachers are advised to connect exercises in Greek and Latin Composition, both oral and written, with all the Greek and Latin studies of the preparatory courses, and to begin the exercises in reading at sight early.

II. MATHEMATICS

13. Algebra (*a*)—Fundamental operations, factoring, highest common factor, least common multiple, fractions, equations of the first degree in one or more unknown quantities, problems which lead to equations of the first degree, powers and roots, fractional and negative exponents, reduction of radicals, including the extraction of the square root of numbers.

14. Algebra (*b*)—Quadratic equations in one or two unknown quantities, ratio and proportion, arithmetical and geometrical progressions, binomial theorem for positive integral exponents.

15. Plane Geometry—Demonstrations of theorems and constructions, and demonstrations of problems which are contained in the standard texts; also, simple exercises in construction and demonstration. Numerical problems, of which some are stated in terms of the metric system of weights and measures, relating to the mensuration of the triangle, parallelogram, trapezoid, regular polygons, and circle.

This examination is a consolidation of Geometry (a) and Geometry (b). These subjects may be presented separately in 1905, but not thereafter unless the candidate has previously passed one of them.

Special emphasis is laid upon accuracy in reckoning in both Algebra and Geometry.

For the examination in Geometry, the candidates must provide themselves with compasses and rulers.

III. MODERN LANGUAGES

17. French (a) or German (a), *Elementary*.—The candidate is at liberty to decide for himself in which of the two languages he shall be examined.

[A Freshman who has failed in the admission examination in French must, if he elects a modern language, take German, and *vice versa*.]

French (a), *Elementary*. Candidates are required to translate simple prose selections from French authors (Kuhns' *French Reading* and Mérimée's *Colomba* are suggested), and to show familiarity with the elements of French grammar; that is, with the forms of the articles, adjectives, nouns and pronouns, with the conjugation of the regular and the most frequent irregular verbs, and with ordinary syntactical constructions. Simple English sentences are set to be rendered into French, and a test is made of the principles of pronunciation.

German (a), *Elementary*. The examination is designed to test the proficiency of those who have studied German in the equivalent of a systematic course of five periods a week for one year. It will consist of two parts (which, however, may not be taken separately):—

(i) The translation at sight of a passage of easy prose containing no rare words.

The passages set for translation will be suited to candidates who have read not less than two hundred duodecimo pages of simple German, chiefly narrative prose; this amount includes sight-reading done in class. It is important that all translation be done into clear and idiomatic English.

(ii) The translation into German of simple English sentences, to test the candidate's familiarity with elementary grammar.

Elementary grammar is understood to include the conjugation of the weak and the more usual strong verbs; the declension of articles, adjectives, pronouns, and such nouns as are readily classified; the uses of commoner prepositions; the simpler uses of modal auxiliaries; the elements of syntax and word-order. Proficiency may also be tested by direct questioning.

Practice in pronunciation by reading aloud as much as possible from the texts used in the class is recommended; also, the writing of German from dictation.

IV. ENGLISH

18. English (a): Reading and Practice. A certain number of books is set for reading. The candidate is required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination is usually the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a number set before him in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and calls for only a general knowledge of the substance of the books.

In preparation for this part of the examination, it is important that the candidate shall be instructed in the fundamental principles of rhetoric.

The books set for this part of the examination are :—

Preliminary Examination in 1904, for the class entering in 1905 :

Shakespeare's *Merchant of Venice* and *Julius Caesar* ; The Sir Roger de Coverley Papers in *The Spectator* ; Goldsmith's *Vicar of Wakefield* ; Coleridge's *Ancient Mariner* ; Scott's *Ivanhoe* ; Carlyle's *Essay on Burns* ; Tennyson's *Princess* ; Lowell's *Vision of Sir Launfal* ; George Eliot's *Silas Marner*.

Preliminary Examinations in 1905, 1906, and 1907, for the classes entering in 1906, 1907, and 1908 :

Shakespeare's *Macbeth* and *Merchant of Venice* ; The Sir Roger de Coverley Papers in *The Spectator* ; Irving's *Life of Goldsmith* ; Coleridge's *Ancient Mariner* ; Scott's *Ivanhoe* and *Lady of the Lake* ; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *Passing of Arthur* ; Lowell's *Vision of Sir Launfal* ; George Eliot's *Silas Marner*.

19. English (b): Study and Practice. This part of the examination presupposes more careful study of each of the works named below. The examination is upon subject-matter, form, and structure, and tests also the candidate's ability to express his knowledge with clearness and accuracy. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this part of the examination are :—

Final Examinations in 1905 :

Shakespeare's *Macbeth* ; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso* ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essays on Milton and Addison*.

Final Examinations in 1906, 1907, and 1908 :

Shakespeare's *Julius Caesar* ; Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso* ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essay on Addison* and *Life of Johnson*.

For candidates who take the complete examination in English at a single session, this examination covers the books set for the final examination in that year, together with those set for the preliminary examination in the preceding year : for example, the complete examination in 1905 will cover the books set for the final examination in 1905, together with those set for the preliminary examination in 1904.

No candidate is accepted in English whose work is notably defective in point of spelling, punctuation, idiom, or division into paragraphs. An entrance condition imposed in English (*a*) is removed only upon evidence of marked improvement in the power to write English correctly.

EQUIVALENTS FOR GREEK

The following equivalents for Greek will be accepted :

A candidate who wishes to omit Homer must offer Mathematics A1. A candidate who wishes to omit the entire Greek requirement must offer both French (*a*) and German (*a*) and, in addition, one of the three following alternatives :

1. Mathematics A1 and French (*b*) or German (*b*).
2. French (*b*) and German (*b*).
3. German (*b*) and German (*c*).

The requirements in these equivalents are as follows :

MATHEMATICS A1—SOLID GEOMETRY, PLANE TRIGONOMETRY AND ADVANCED ALGEBRA OR ANALYTICAL GEOMETRY.*

Solid Geometry. The usual text demonstrations omitting the theorems on spherical angles and triangles.

Plane Trigonometry. Fundamental definitions and properties of the trigonometric functions with the usual formulae. Application to simple problems of reduction ; solution of trigonometric equations ; and solution of right and oblique triangles by use of natural or logarithmic tables.

Advanced Algebra. Properties of quadratic equations, permutations and combinations, principles of logarithms, partial fractions ; graphical representation of functions of one variable and approximation to incommensurable roots ; simple theorems regarding the relation between the roots of an equation and its coefficients and factors.

Analytical Geometry. Plotting of equations in rectangular and polar coördinates ; intersection of loci and interpretation of the same ; equation of straight line in its various forms and problems involving parallelism and perpendicularity of lines ; equation of circle, and conic sections in rectangular and polar coördinates ; transformation of coördinates and reduction of general equation of second degree to normal forms.

*Those who wish to elect the Calculus in their Freshman year are advised to present the Analytical Geometry for entrance.

[A statement in detail of the subject matter of the requirement in Mathematics A1 will be sent on application.]

MODERN LANGUAGES

French (a)—See p. 69.

French (b)—In addition to the elementary requirements, candidates who offer French for advanced standing, or for a partial substitution for Greek at entrance, are expected to possess a thorough knowledge of French grammar, the ability to translate connected passages from English into French, and to have read the following texts :

Hugo : *Les Misérables*, pp. 1-124 of Super's edition (Heath & Co.) ; Zola : *La Débâcle*, pp. 1-155 of Wells' edition (Heath & Co.) ; Dumas fils : *La Question d'Argent* ; Daudet : *Contes*, pp. 1-133 of Cameron's edition (Holt & Co.). Equivalents : Balzac : *Eugénie Grandet*, pp. 1-115 of Bergeron's edition (Holt & Co.) will be accepted for Hugo ; Sandeau : *Mlle de la Seiglière* will be accepted for Dumas fils.

Practice in reading French aloud and in writing from dictation is recommended.

[Credit will not be given for French (b) before French (a) is passed.]

German (a)—See page 69.

German (b)—The examination is designed to test the proficiency of those who have read, in addition to the amount specified under German (a), not less than 350 pages of classical and contemporary prose and verse. It will consist of two parts (which, however, may not be taken separately) :—

(i) The translation at sight of ordinary German.

(ii) The translation into German of a connected passage of simple English prose, to test the candidate's familiarity with grammar. Proficiency in grammar may also be tested by direct questions.

In the translation into German, candidates will be expected to show a thorough knowledge of accidence, the elements of word-formation, the principal uses of prepositions and conjunctions, and the essentials of syntax, especially the use of the modal auxiliaries, and of the subjunctive and infinitive moods.

The suggestions of the Report of the Committee of Twelve as to reading matter for the Intermediate Course in German should be followed in general. The following selection is recommended : (1) one of Riehl's or Keller's tales ; (2) Freytag's *Die Journalisten* or Lessing's *Minna von Barnhelm* ; (3) Heine's Poems and Prose (such extracts, e. g., as are contained in *Die Harzreise*, *Buch Le Grand* and *Englische Fragmente* in ordinary school editions of Heine's Prose) ; (4) Goethe's *Hermann und Dorothea*.

[Credit will not be given for German (b) before German (a) is passed.]

German (c)—The examination is designed to test the proficiency of those who have read, in addition to the amounts specified under

German (*a*) and German (*b*), about 500 pages of difficult prose and of good literature in prose and poetry. (The reading should be done with a view to acquiring facility in reading German for advanced work in other subjects, and of gaining an intelligent, general appreciation of the purely literary works read.) The examination will consist of two parts (which, however, may not be taken separately):—

(i) The translation at sight of difficult German prose (not technical) and verse, whether recent or classical.

(ii) The translation into German of a connected passage of ordinary English prose, or the writing of a short theme upon some assigned topic.

The suggestions of the Report of the Committee of Twelve as to reading matter for the Advanced Course should be followed in general, though greater stress should be laid upon acquiring facility in translating and understanding German prose, such as would be necessary for advanced work in other branches.

[Credit will not be given for German (*c*) before German (*a*) and (*b*) are passed.]

Candidates are allowed to divide the examination, with an interval of not less than a school year between the two parts. At the preliminary examination each candidate must submit a definite statement from his principal instructor of the subjects which he is authorized to offer. No preliminary certificate will be furnished unless at least six of the above subjects have been satisfactorily passed.

The regular Examination for Admission to College is held at Alumni Hall, New Haven, on Wednesday, Thursday, Friday, and Saturday (June 28, 29, 30, and July 1, 1905); *attendance is required at the opening of the examination, at 2 P. M. on Wednesday*, and the sessions will close at 4.30 P. M. on Saturday. The examination is wholly in writing.

In 1905, examinations (beginning on Wednesday, June 28, at 2 P. M., and closing on Saturday at 4.30 P. M.) for admission to the Freshman class (but not to higher classes) will also be held

in Albany, N. Y., at the Albany Academy ;

Andover, Mass., at Phillips Academy ;

Asheville, N. C., at the Asheville School ;

Auburn, N. Y., at the High School ;

Buffalo, N. Y., at the Central High School ;
Chicago, Ill., at the Bryant & Stratton Business College, northwest
corner of Wabash avenue and Congress street ;
Cincinnati, O., at the Hughes High School, 5th street, head of Mound ;
Cleveland, O., at the University School ;
Concord, N. H., at St. Paul's School ;
Denver, Col., at the East Denver High School ;
Detroit, Mich., at the Central High School ;
Easthampton, Mass., at Williston Seminary ;
Exeter, N. H., at Phillips Academy ;
Garden City, N. Y., at St. Paul's School ;
Groton, Mass., at Groton School ;
Hartford, Conn., at the Public High School ;
Kansas City, Mo., at the Central High School ;
Lakeville, Conn., at the Hotchkiss School ;
Lawrenceville, N. J., at the Lawrenceville School ;
Louisville, Ky., at the Male High School ;
Milwaukee, Wisc., at the Milwaukee Academy, 471 VanBuren st. ;
Nashville, Tenn., at the Fogg High School ;
New York City, at the Y. M. C. A. building, 215 W. 23d st. ;
Norwich, Conn., at the Free Academy ;
Ossining, N. Y., at Dr. Holbrook's School ;
Philadelphia, Pa., at the Eastburn Academy, 700 North Broad street ;
Pittsburg, Pa., at the Shady Side Academy ;
Pomfret, Conn., at the Pomfret School ;
Portland, Oregon, at the Hill Military Academy ;
Pottstown, Pa., at the Hill School ;
St. Louis, Mo., at the Board of Education building, corner 9th and
Locust streets ;
St. Paul, Minn., at the High School ;
San Francisco, Cal., at the Urban School, 2124 California street ;
Scranton, Pa., at the School of the Lackawanna ;
Southborough, Mass., at St. Mark's School ;
Tacoma, Wash., at the Tacoma Academy ;
Washington, Conn., at the Gunnery ;
Washington, D. C., at the Central High School ;
Watertown, Conn., at the Taft School ;
Worcester, Mass., at Worcester Academy.

An examination will be held on the same days at Interlaken, Switzerland, under the supervision of Mr. Howard Copland.

Candidates who propose to be present elsewhere than at New Haven are requested to send their names to the Registrar of the College before June 1. A fee of five

dollars (payable at the opening of the sessions) is charged for admission to examinations outside of New Haven. The College is also prepared to hold an examination, at the above-named time, in any city or at any school where the number of candidates and the distance from other places of examination may warrant it ; applications for this purpose must be sent to the Registrar before May 15.

A second examination is held, *in New Haven*, at the beginning of the College year, on Monday, Tuesday, Wednesday, and Thursday (September 25, 26, 27, 28, 1905); candidates for this examination must be present at Alumni Hall at 10.30 A. M. on Monday.

A set of the papers given at the examination in June, 1904, as well as separate papers given then and in June, 1901, 1902, and 1903, may be obtained by teachers without cost by applying to the Registrar of the College, Mr. A. K. Merritt.

ADVANCED STANDING—Examinations for admission to advanced standing are held at Alumni Hall on Thursday, Friday, and Saturday, June 29, 30, and July 1 ; and on Monday, Tuesday, and Wednesday, September 25, 26, and 27. *All applicants must give evidence of having satisfied the regular requirements for admission to the Freshman class.*

A student from another college is admitted *ad eundem* only on passing a satisfactory examination on the studies of Freshman year, and upon elective studies sufficient to make up the number of hours of class-room work already completed by the class which he wishes to enter.

Applications for admission to advanced standing without examination are received from graduates and undergraduates of approved colleges, who expect to fall back one or more years in their class rating. Each case, however, is judged on its merits. Either a diploma of graduation or a statement from the Dean or other proper officer of the college from which the student comes must be handed in with each application. Blank forms of application may be obtained by writing to the Dean.

No one is admitted to the Senior class after the beginning of the second term.

AGE—No one is admitted to the Freshman class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

TESTIMONIALS—Satisfactory testimonials of good moral character are in all cases required, before a certificate of admission in full is granted. Candidates who have been members of a school at any time within the preceding year are expected to bring a certificate of honorable dismissal from this school. Students from other colleges must present certificates of dismissal in good standing.

BOND—Every person must give to the Treasurer, on being admitted, a bond, executed by his parent or guardian, for five hundred dollars, as security for the payment of charges arising under the laws of the College. A blank form for this purpose is furnished at the time of admission

COURSES OF INSTRUCTION

The following statements explain the general aim and scope of the instruction in some of the leading subjects of study.

LATIN—By the close of Freshman year, it is intended that the student shall have gained clear conceptions of the genius of the language and its relations to other ancient and to modern tongues, a good knowledge of the characteristics of Latin literature and the essential facts of Roman history, and some appreciation of the position of Rome in the history of civilization. That subsequent reading of the language may be more easy and more exact, due attention is given in the early part of the course to forms, constructions, and idioms. From term to term the study of the literature is made more prominent, and particular texts are treated as means for the study of the public and private life of the Romans. Instruction is given mainly by recitations, but such work is supplemented by occasional lectures by the instructors and by conferences on papers presented by the pupils. In connection with the minute study of the authors, considerable time is given to oral and written reading at sight, and to composition in Latin.

For Seniors, Juniors, and Sophomores who desire to continue their Latin studies, parallel courses are offered by different instructors, with different ends in view and by different methods. The characteristic of a course may be, *e. g.*, literature, or history, or philology, or antiquities, or the speaking and writing of Latin ; and the methods of preparation and the class-room treatment vary accordingly. Topics suggested by the nature of the courses, or by individual tastes and intentions, are assigned to students, and papers thus prepared are discussed before the class. Lectures and the rapid reading of large amounts of texts are more frequent than in the prescribed courses. The connections of Latin with English are emphasized, and written translations are from time to time required and criticized with reference both to their faithful reproduction of the Latin thought and their idiomatic English. German annotated editions are often used, not only for their intrinsic helpfulness, but also to encourage the practical use of that language. Students who give evidence of unusual capacity and attainments may be admitted to membership in graduate classes.

GREEK—The student who presents Greek in his examination for admission to College may continue the study of Greek during each of the four years of his College course. (See pp. 94-97.) During the first two years, he may read selections from Homer, from Thucydides or Herodotus, dramas of Aeschylus, Sophocles, and Euripides, one or two comedies of Aristophanes, one or more orations of Demosthenes, Isocrates, or Lysias, the Apology and some dialogue of Plato ; occasionally, the *Symposium* of Xenophon or selected dialogues of Lucian. These works are selected with a view to making the student familiar with the leading branches of Greek literature, and the most interesting phases of Greek life and thought. The most important grammatical principles are reviewed in Freshman year ; in Sophomore year, grammatical questions are discussed rarely, except as they are necessary for the interpretation and illustration of the author's meaning. In reading the works of the poets, less attention is paid to linguistic and grammatical points than to their literary quality, to the structure of the poems, to poetic words, forms, arrangement of words, rhythm, and constructions ; but the growth and development of the language are discussed as well as the development of the literature. In reading the orators and historians, the connection of thought and of events is made prominent. Greek prose composition is practiced so far only as to aid the student in reading Greek authors, and to quicken his perception of nice distinctions in the order and choice of words and construction.

In the more advanced courses of the Junior and Senior years, the student has the opportunity of reading the works of the lyric poets, other Greek dramas, and other dialogues of Plato, parts of Aristotle

(his *Politics*, *Poetics*, and *Ethics*), and the *Idyls* of Theocritus ; as well as of studying Greek inscriptions, and of doing more critical work on the Homeric poems than is suited to the first College year ; also of practising more advanced Greek composition, and of learning the elements of the Modern Greek language. The history of Greek philosophy is studied under instructors of the department of Philosophy, and several courses are offered in classical archaeology.

ROMANCE LANGUAGES (FRENCH, ITALIAN, SPANISH)—The student who has passed the admission examination in French may continue the study of that language during each of the four years of his College course, if he so elect ; the student who has not passed the admission examination in French may, if he desire, begin the study of French in college.

To the student properly equipped, *i. e.*, who has had two years of French in college, or the equivalent, the following Junior and Senior electives are open from which he may choose according to his special wants with the advice of the department : (*a*) linguistic courses conducted in French and combining the study of some literary topic with practice in speaking and writing ; (*b*) literary courses, in which the leading writers of one specific period are read and studied.

Barring exceptional cases, the study of Spanish and Italian cannot be begun before the Junior year, but if begun then, it can be continued to the end of the College course.

GERMAN—The student who has passed the admission examination in German may continue the study of German during each of the four years of his College course, if he so elect ; the student who has not passed the admission examination in German may, if he desire, begin the study of German in either Freshman or Sophomore year, and pursue it for four or for three years ; no elementary instruction in the language is given to Juniors or Seniors.

The courses of work for the successive years may be outlined as follows : During the first year the work consists of German grammar, translation of easy English phrases, sentences, and connected prose into German, and of easy German prose into English. Constant sight-translation is used as a means for developing and strengthening the student's vocabulary and for freeing him from dependence upon the lexicon and from the word-by-word methods which its use encourages. Especial care is devoted to pronunciation. The work of the second year continues and extends that of the first year, taking up the translation of more difficult German prose, both with previous preparation and at sight, the study of word-formation, and the translation of more difficult English prose into German. Throughout the two years the aim in reading German is to cover as much ground as possible—from 500 pages

upwards—in the belief that thereby the student will acquire more command of the language than when a smaller amount is read with rigid attention to grammatical details. It is expected that at the end of the second year the student will have adequate preparation for the use of the language in his work in other branches of study. Those, therefore, who are studying German solely with this end in view may perhaps discontinue class-study at this point : but no student should begin the language unless he expects to devote at least two years to its study.

For the remaining years the courses vary from year to year ; but opportunity is given for the critical study of works of leading authors, and for the study of periods in the history of German literature. Advanced courses are offered also in earlier German literature and in the historical development of the language.

German readings are given by the instructors, outside of the regular College work, and a course in advanced composition is given, in which German alone is spoken. German is constantly read aloud in the class-room, and efforts are made to improve the student's pronunciation and to help him to acquire some facility in expressing his ideas in German. But it is not a leading aim in the instruction in German to enable the student to converse in that language. Training in the ordinary conversational idiom may be had more profitably elsewhere and cannot form any considerable part of the class-room work. The student may acquire the language as a tool for use in other departments of study, and may come in contact with the best works of German literature, studying their form and contents, and the lives and environment of their authors ; fluency in conversation must be acquired where the conditions are more fitted to the object which they are to effect.

ENGLISH—The course pursued by those Freshmen who elect English occupies three hours a week, and is concerned with the following works : four representative plays of Shakespeare ; selected essays of Carlyle, Ruskin, and Arnold ; Tennyson's *Idylls of the King*, and shorter poems ; Palgrave's *Golden Treasury of Songs and Lyrics*. The work as a whole has for its object to cultivate in the student the habit of careful, critical reading of the best English literature.

The elementary course in rhetoric aims at a survey of the whole field of prose composition, a general training in fundamental principles and in the habit of expression, and a special training in exposition. The weekly recitations and lectures are auxiliary to the instruction given to each student in conference on frequent essays.

The DeForest, Townsend, TenEyck, Betts, McLaughlin, and Winston Trowbridge Townsend prizes (pp. 173-176), are under the superintendence of the Assistant Professor of Rhetoric.

For the present year a prize in poetry, of the value of fifty dollars, is offered to the University by Professor Cook.

The more advanced work in English follows six different, though related, lines. Instruction is offered in the outlines of the history of English literature, with reading of selected authors; in the earlier stages of the language, with reference as well to the reading of the older literature as to linguistic discipline; in rhetoric; in the theory of poetry, involving a consideration of literary criticism in general, and in the theory of the drama; in the evolution of certain literary forms; and in the study of various periods, classes of writers, and individual authors.

The course in the history of English literature is regarded as preparatory to the study of special periods and topics. A text-book is the main reliance for the history up to Spenser; beginning with this poet, specimen works of ten authors are read, and supplementary lectures are delivered.

The course in Old and Middle English is intended to impart the elementary knowledge essential to the reading of pre-Chaucerian authors as well as to the fuller understanding of Chaucer himself, and to give the student a sense of the meaning and value of our earliest literature.

The courses in rhetoric are intended to provide systematic practice and criticism in the chief prose forms, and in the composition of verse.

The course in theories of poetry is designed to give the student a philosophical conception of the nature of poetry and the laws of its chief genera, as expounded by leading critics and deducible from the master works of literature. That in the theory of the drama expounds the technique of dramatic art.

The course in the English lyric is a study in literary evolution, its origin and its development from Skelton to the present day being considered. That on mediæval allegory is devoted to three important texts especially, one each in Italian, French, and English. That in early narrative shows the influence of certain of its forms on modern poetry.

The chief periods of English literature, with reference to which instruction is at present provided, are the seventeenth and nineteenth centuries. The chief classes of writers examined are the dramatists from the mystery plays to the present, prose authors, and the leading writers of New England between 1830 and 1870. The chief individual authors studied are Chaucer, Shakespeare (in two different courses), Milton (and his contemporaries), Johnson (and his circle), Tennyson, and Browning, besides Dante in translation.

The larger number of the courses in English are intended to be disciplinary as well as instructive; in other words, they have in view the development of insight and power no less than the imparting of information.

MATHEMATICS—During the first year Solid Geometry, Plane Trigonometry and either Algebra or the elements of Analytical Geometry are studied. The Analytical Geometry is a necessary preparation for the Sophomore Calculus.

During the second year course B 1 Calculus, or B 2 Spherical Geometry and Trigonometry with Applications, may be taken.

The remaining mathematical courses described in the following pages (120-123) fall into four groups, viz: Pure Mathematics; Mathematical Physics; Astronomy; Engineering Sciences. The courses in Advanced Calculus and in Analytical Geometry form the foundation of each of these groups and should be taken in Junior year. The students in Pure Mathematics and Mathematical Physics should also take the courses in Projective Geometry, Higher Algebra, Mechanics and Mathematical Physics, Function Theory and Differential Equations, sometime in their Junior and Senior years; those in Astronomy should elect the courses in Practical Astronomy, Analytical and Celestial Mechanics; and those in Engineering Studies the courses in Descriptive Geometry and Machine Drawing, Machine Designing, and in Mechanics.

Students desiring to take honors in mathematics, or intending to pursue graduate studies in any one of the above lines, should follow this scheme rather closely.

As modern mathematical literature is largely in French and German, students should acquire as soon as possible a good reading knowledge of these languages.

It is desirable even for students of pure mathematics that they should acquire the elements of descriptive geometry, and facility in the use of drawing instruments.

The seminary rooms and mathematical laboratory at 90 High Street are open to students taking the more advanced courses.

PHYSICS—The instruction in Physics is begun in Sophomore year, with a course, extending through the year, of three exercises weekly. This is a general course, conducted by recitations, liberally illustrated by means of apparatus and experiments, and by occasional lectures. The object is to give a broad general view of the subject, to make the student familiar with the fundamental principles of the science, to enable him to understand something of the methods of experiment and reasoning by which physical laws have been established, and to give

him an insight into the processes by which accuracy is attained in physical work, and the degree to which it may be carried. The work serves also as the introduction to, and foundation for, the more advanced courses offered in Junior and Senior years, in which the student may pursue lines of work in general and theoretical Physics of a higher grade, or may take up practical work in the Sloane Physical Laboratory, beginning with the course in Junior year, and continuing the work, of a more advanced character, during Senior year, as is described in the list of elective courses.

CHEMISTRY—This study is elective. A course in experimental inorganic chemistry is open to Freshmen, Sophomores, Juniors or Seniors. Students who wish to master during the College course those branches of chemistry which are required for admission to medical or technical schools, or which are anticipatory of work otherwise required in such schools, should take this course as early as possible. It is a prerequisite to the other courses in chemistry and to the courses in biology and mineralogy, and is desirable for those who propose to study other courses in science. Instruction is given in this course by lectures and in the laboratory; and frequent examinations, written or practical, serve to review and emphasize essential facts and principles as well as to test the progress of the student.

Courses in qualitative analysis and in the preparation and study of the compounds of organic chemistry are open to students familiar with the subject matter of the first course. A course dealing with typical gravimetric and volumetric methods of quantitative analysis may follow or accompany the course in qualitative analysis, and courses in the study of compounds of the rare elements, in typical methods for the preparation of inorganic salts, and in physical chemistry are open by permission to students sufficiently advanced. Beside the courses already mentioned, the plan of which is to teach facts and principles by experimentation and induction, two lecture courses, one of which deals with the relations of the compounds of carbon and the other with general chemical theory, are open to properly qualified undergraduates.

GEOLOGY—The instruction in this department is planned to meet the wants of two classes of students: (1) those who wish a knowledge of the structure and history of the earth as a means of general culture, and (2) those who intend to make geology or some related science their chief life work. To this end an introductory course in General Geology is offered in which are discussed the elementary facts of earth structure, the geological processes by which the earth has attained its present form and surface features, and the evolution of living beings.

These subjects are abundantly illustrated by laboratory and field practice. The courses offered in Mineralogy, Physical Geography and Meteorology are designed to enlarge the scope of study of the elementary earth sciences. Students who have completed one year of study and wish to continue may select work in one of the several branches of geology and will be encouraged to carry on special investigations. The lines of study now open to undergraduates are Mineralogy preparatory to mining, Structural Geology, Physiography, and Historical Geology in its many phases, including paleontology. The collection of minerals, rocks, maps, and other illustrative material is ample for all branches of the subject, and the New Haven region is well suited to give practical field experience.

MENTAL AND MORAL SCIENCE, AND PHILOSOPHY—The courses in this department of study begin in Sophomore year, and may be continued until graduation. They cover the following subjects: Psychology, Logic and Epistemology, Ethics, Aesthetics, History of Philosophy, Metaphysics, Philosophy of Religion, Pedagogics, and Philosophical Criticism.

PSYCHOLOGY—The introductory course in this subject is a general course in which all the different phases of the science of mental life and its conditions are briefly treated. This course covers and unifies the various phases of psychology which are later distinguished as experimental psychology and psychological theory. Although this elementary course is taught with constant use of a text-book, upon which recitations are exacted, considerable time from the first is taken by the instructor in oral instruction, critical or supplementary of the text and in demonstration of experiments. Attention is thus called to the most recent advances in experimental and physiological psychology, to the educational bearings of the subjects treated and to the psychological bases of ethics, logic and other philosophical disciplines and related anthropological sciences. In the advanced courses, the student prepared by the introductory study of the subject as a whole, may take up the methods of laboratory investigation, the general comparative study of the writings of leading psychologists, and certain other subjects of a more special character such as genetic psychology and the applications of psychology to education. These advanced courses are supplemented by a thorough course in the metaphysics of mind. The most important of the older and newer works on psychology are placed in the University Reference Library for the use of students, who are urged to do side reading in connection with the class-room work. For the advanced experimental work and for the demonstrations in the introductory course a well-equipped psycho-

logical laboratory is at hand. All the typical forms of experimental investigation are illustrated, and for the benefit of advanced students undertaking research work, the laboratory is equipped with a workshop and employs a mechanic so that new apparatus can be constructed as required.

LOGIC AND EPISTEMOLOGY—The instruction in Logic aims at a thorough knowledge of the nature of reasoning, the conditions of proof, and the principles of science. In Deductive Logic special attention is given to an analysis of the syllogism, to a study of its functions and logical value, and to the study of fallacies. In Inductive Logic attention is given to familiarizing the students with the principles and methods of scientific investigation. The work in Logic includes an examination of recent logical theories. The courses in Epistemology undertake a critical examination of scepticism and agnosticism, and the study of the nature, limits, and grounds for the validity of our knowledge of reality.

MORAL SCIENCE, as a study, is intimately connected with the instruction in Psychology and Philosophy, as its foundations are discovered in the constitution of the human soul, and its method and fundamental relations are justified and enforced by those principles which are essential to all scientific thinking. In the department of Moral Science and of Practical Ethics, a somewhat thorough elementary course is offered as an essential element of a thorough education and an important condition for practical usefulness. This general course is supplemented by special classes in scientific and practical Ethics, and particularly in the history and criticism of ethical theories.

AESTHETICS—Instruction in this branch of study seeks to review the history of thought on the subject of the beautiful; to give a philosophical account of the foundations upon which the arts rest; and to study scientific art-theory in its relation to general philosophical system.

HISTORY OF PHILOSOPHY—In the study of the History of Greek Philosophy the principal emphasis is laid upon Plato and Aristotle, and upon the post-Aristotelian Schools, as illustrating the permanent and most interesting problems of Philosophy.

The course in Modern Philosophy consists of expository and critical lectures, and the cursory reading of philosophical masterpieces from Descartes to Hegel. Special emphasis is laid upon the philosophy of Kant. It is a constant aim to trace the development of modern speculative thought so as to throw light upon the principal questions in debate among present writers in philosophy.

PHILOSOPHY OF RELIGION—In a course of lectures, accompanied by required readings, the principal facts and conceptions which belong to the religious experience and development of man are made the subjects of discussion and reflective study. In another course of lectures some of these topics are treated more from the historical and comparative standpoints.

METAPHYSICS—The principal metaphysical conceptions—such as space, time, causation, number, substance, quality, relation, etc.—are thoroughly discussed in an advanced elective course; and the attempt made to unite them in a harmonious view of the physical world and of human life. This involves a careful study of such themes as Matter and Spirit, Change and Development, the Absolute and the Relative, and God and the World.

PEDAGOGICS—Thorough instruction is given in Systematic Pedagogy, Experimental Pedagogy, and in the History of Education and Educational Theory. These subjects are considered in both their theoretical and practical aspects, the aim being to prepare students for the practical work of teaching.

PHILOSOPHICAL CRITICISM—In addition to the study of Philosophy as connected with the problems of rational Psychology, and as illustrated and enforced by the history of the development of Philosophy, the works of one or more of the leading authors are read and discussed, with such students as take the elective courses opened for this purpose. In this way the more general studies in Metaphysics and Ethics are supplemented by special information regarding selected subjects and writers.

The SOCIAL SCIENCES AND LAW—An elementary course in Economics is provided, which treats not merely of the general principles of the science, but of some of the most important practical applications in finance and legislation. Text-books are supplemented by lectures and discussions. Those who have taken Elementary Economics have an opportunity in Junior and Senior years to become acquainted with the history of the science and the controversies now going on in it, and to study more thoroughly special topics from different points of view, such as the historical or the statistical. In the courses in the Science of Society and allied subjects they are also offered an opportunity to become acquainted with the new sciences whose investigations are so important for the whole field of social science.

The course in Law in Senior year is intended for prospective students of law as a profession, and covers such topics as American law, agency, wills, evidence, contracts, international law, etc.

MUSIC—The department aims to provide adequate instruction for those who intend to become professional musicians, either teachers or composers. In all the courses a knowledge of piano-playing is required.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS.

A candidate for the degree of Bachelor of Arts must successfully complete courses aggregating sixty hours per week through a year. Freshmen take fifteen hours per week; Sophomores and Juniors, from fifteen to eighteen hours. A student is enrolled in the Freshman class until he has completed at least twelve hours of work and has removed all entrance conditions; he is then enrolled in the Sophomore class until he has completed twenty-six hours; then in the Junior class until he has completed at least forty-one hours; then in the Senior class until he has completed sixty hours. A student who is enrolled as Freshman a second year may, if he desires, take eighteen hours of class-room work.

A student in any of the three upper classes who desires to anticipate a course of the class in which he is enrolled, by passing a special examination in it at the beginning of the year, must apply to the Dean in writing, not later than September 1st, for such an examination and must pay to the Bursar the fee for a special examination. This permission will not be granted to students who are required to take extra hours for absence. A course thus anticipated may, with the consent of the Faculty, be counted as part of the requisite sixty hours. In its place the student may take an equal number of hours from the courses open to his own or to the next higher class, if he is otherwise qualified to do so. Members of the incoming class who desire to avail themselves of this privilege must apply to the Registrar.

Every student must complete before graduation two majors and three minors, and these must be so arranged

that not more than two of these five units shall be in one of the divisions named below.

A major unit consists of connected courses of grade A, B and C, aggregating at least seven hours a week ; a minor unit consists of connected courses of grades A and B, aggregating at least five hours a week.

Courses to complete the remaining thirty-one hours of the sixty required for the degree of B.A. may be chosen without any other restriction than such as will be found in the printed statement of the individual courses.

- I. **LANGUAGE AND LITERATURE** : comprising Latin ; Greek ; Classical Archaeology ; Sanskrit, Linguistics, and Comparative Philology ; Semitic Languages and Biblical Literature ; French ; Italian ; Spanish ; German ; Scandinavian ; English.
- II. **MATHEMATICS AND THE NATURAL AND PHYSICAL SCIENCES** : comprising Mathematics and Astronomy ; Physics ; Chemistry ; Geology, Physical Geography and Mineralogy ; Biology, Anatomy and Histology ; Botany and Forestry.
- III. **PHILOSOPHY, HISTORY AND THE SOCIAL SCIENCES** : comprising Psychology, Ethics, Logic, Philosophy, and Pedagogics ; Ancient, Medieval and Modern History ; Economics, Politics, and the Science of Society.

A student can gain promotion with his class only by passing satisfactorily upon the required number of hours. No course is accepted which has not been satisfactorily passed. If it is not accepted it is not counted as part of the work for the degree, and the deficiency can be made up only by taking in a succeeding year extra work covering the same number of hours.

In Sophomore and Junior years eighteen hours of classroom work may be elected. Opportunity is given also to anticipate one or more courses at the beginning of a year. Hence it is possible for a good student at the end of his third year to have completed the required sixty hours. This opportunity is open only to those who have a high rank in Freshman year, and only by special vote of the Faculty in each case. In Senior year any hours not

needed to complete the work for the degree of Bachelor of Arts, may be devoted to study in the professional schools.

SPECIAL HONORS in various groups of studies are offered, to be awarded at the end of the Senior year, in accordance with the scheme on page 155.

FRESHMAN YEAR

Every member of the Freshman class is required to take five out of the following three-hour courses. Three of the five courses chosen must be the continuation of subjects offered for entrance, counting as separate subjects: (1) English, (2) Mathematics, (3) Latin, (4) Greek, and (5) French or German. This is the only restriction. The anticipation (see p. 86) of a course that so continues a subject offered for entrance is considered as meeting this requirement for that subject.

1. English—*Shakespeare and Victorian Literature*, Course A 1.
2. Mathematics—*Solid Geometry, Plane Trigonometry, and Analytical Geometry*, Course A 1.
3. Latin—*Livy, Tacitus, and Horace*, Course A 1.
4. Greek—Three courses are offered from which to choose one :
 - (i) *Homer, Herodotus, and Plato*, Course A 1.
 - (ii) *Lysias, Demosthenes, Plato, and Lyrics*, Course A 2.
 - (iii) *Homer, Plato, and Euripides*, Course A 3.
5. French—*Elementary*, Course A 1.
 Second-Year, Course A 2.
 Third-Year, Course B 1.
6. German—*Elementary*, Course A 1.
 Second-Year, Course A 2.
7. Chemistry—*Experimental and Descriptive Inorganic*, Course A 1.
8. History—*European*, Course A 1.

Students may at their option either continue the study of the modern language in which they have passed the examination for admission to college, or begin the study of the other in case they have not previously pursued it. Those who have sufficient knowledge of either language are assigned to classes further advanced.

From November first until April first, work in gymnastics is required of the members of the Freshman class, except those who are in regular training with the recognized athletic teams. This work may be either two periods a week in class drill or four periods of individual exercise, at the option of the student.

SOPHOMORE YEAR

Every member of the Sophomore Class is required to elect fifteen, and may choose eighteen hours of the following courses :

Latin—

[One course only may be chosen.]

Horace, Catullus, and Cicero, Course B 1.

Horace, Catullus, Plautus, and Terence, Course B 2.

The Civil War, Course B 3.

Greek—*The Athenian Drama*, Course B 1 or B 2.

Biblical Literature—*Literature and History*, Course A 1.

French—

[One course only may be chosen.]

Elementary French, Course A 1.

Sophomore Second-Year French, Course A 3.

Sophomore Advanced French, Course B 1.

Junior Electives, Courses B 2, B 3.

German—

[One course only may be chosen.]

Elementary German, Course A 1.

Sophomore Second-Year German, Course A 3.

Sophomore Advanced German, Course B 1.

English—*Rhetoric and History of English Literature*, Course B 1.

Rhetoric B 2, Introduction to Public Speaking.

Mathematics—

[One course only may be chosen.]

Calculus, Course B 1.

Spherical Geometry and Trigonometry, Course B 2.

Physical Science—*Elementary Physics*, Course A 1.

Inorganic Chemistry, Experimental and Descriptive,
Course A 1.

Qualitative Analysis, Course B 1.

Organic Chemistry, Course B 2.

Natural Science—*Physical Geography*, Course A 1.

Physiology, Course A 1.

Philosophy—*Psychology, with Logic or Ethics*, Courses A 1, A 2, A 3.

History of Philosophy (Ancient), with Logic or Ethics, Courses A 2, A 3, A 4.

History—*European History*, Course A 1.

English Political History, Course B 8.

Social Science—*Economics*, Course A 1.

Physical and Commercial Geography, Course A 20.

An extra elective course in Elocution of one hour per week is offered to the Sophomore class in the second term. This course includes lectures on the Science and the Art of Elocution, practice in speaking and reading by small subdivisions, and private individual practice for those chosen to contest for the prizes in declamation and reading.

When a student makes his choice of Sophomore studies, he is expected also to indicate his plans for Junior and Senior years, and to show how he intends to satisfy the requirements for the Bachelor's degree.

JUNIOR AND SENIOR YEARS

A member of the Junior class is required to select from the list of courses given on pages 91-154 not less than fifteen nor more than eighteen hours of class-room work per week. A member of the Senior class is required to select a number of hours per week which, in addition to those passed satisfactorily at the end of Junior year, will bring the total number up to sixty hours. But no member of the Senior class may take less than twelve hours.

ELOCUTION

An extra elective course of one hour per week is offered to the Junior class in the first term in advanced oratorical speaking, or Shakespearean readings. Special training is given in preparation for the TenEyck Prize Speaking in Junior year, and for the DeForest Prize in Oratory in Senior year.

STATEMENT OF COURSES

1. An asterisk (*) prefixed to a course indicates that written permission must be secured from the instructor to gain admission to the course.

2. Courses included in brackets are omitted during the academic year 1904-1905, but will probably be offered during 1905-1906.

3. The sequence of courses is, in general, indicated by their being graded in the order A, B, and C. In some cases one course presupposes another, or must be taken in connection with another. Restrictions are indicated in brackets after the title of the course, or in the appended statement of the course.

4. Courses not otherwise limited are open to Juniors and Seniors.

(1) LANGUAGE AND LITERATURE

ANCIENT LANGUAGES AND LINGUISTICS

I. LATIN

A 1 *Livy, Tacitus, and Horace.* [Freshmen.] 3 hrs.

Professor MORRIS, Assistant Professors INGERSOLL and CLARK, Mr. BANCROFT, Dr. WRIGHT, and Mr. CASKEY.

Livy, Books i and ii; the *Agricola* and *Germania* of Tacitus; the *Satires* of Horace.

B 1 *Horace, Catullus, and Cicero* [after A 1]. 3 hrs.

Professor MORRIS.

The *Odes* of Horace, and the poems of Catullus, as illustrations of two types of Roman lyric poetry; Cicero, *de Amicitia* and *de Senectute*.

B 2 *Horace, Catullus, Plautus, and Terence* [after A 1]. 3 hrs.

Assistant Professor INGERSOLL.

The same as B 1 with the substitution of one play each of Plautus and Terence in place of the *de Amicitia* and *de Senectute* of Cicero.

B 3 *The Civil War* [after A 1]. 3 hrs.

Assistant Professor CLARK.

A study of the Civil War, with special reference to the characters of Caesar, Cicero, and Pompey. Caesar's *Civil War*, Lucan's *Pharsalia*, and selected Letters of Cicero will be read.

B 4 *Juvenal, Martial, and Pliny's Letters* [after B 1, B 2, or B 3]. 2 hrs.

Professors PECK and H. P. WRIGHT.

Roman private life; literary and social conditions at Rome in the early empire.

[B 5 *The Character and Reign of Tiberius* [after B 1, B 2, or B 3]. 2 hrs.

Professor PECK.

Tacitus (*Annals*, i-vi), Suetonius (*Tiberius*), and Velleius Paterculus. Characteristics of "Silver" Latin.

Omitted in 1904-1905.]

B 6 *Latin Literature* [after A 1]. 2 hrs.

Assistant Professor INGERSOLL.

A general survey of the whole field. Lectures, illustrative readings, and direction of the student's private reading.

B 8 *Latin Literature of the Early Middle Ages* [after B 1, B 2, or B 3]. 2 hrs.

Assistant Professor CLARK.

A review of the intellectual and literary history of the West from Jerome to Charlemagne. The works read are chosen especially to show the development of language and culture.

[B 9 *Latin Literature of the Late Middle Ages* [after B 1, B 2, or B 3]. 2 hrs.

Assistant Professor CLARK.

This course illustrates the literary transition from medieval to modern times, and the later phases of medieval culture. Knowledge of French and German is essential for B 8 and B 9.

Omitted in 1904-1905.]

B 10 *Latin Composition* [after A 1].

Assistant Professor CLARK.

An elementary course, leading up to C 6, but thorough enough to serve as final for men who plan to teach immediately after graduating.

B 11 *Roman Law* [after A 1].

2 hrs.

Assistant Professor INGERSOLL.

An elementary and general course, for the classical student or the student of law.

C 1 *Cicero (Brutus), Quintilian (x and xii), and Tacitus (Dialogus)* [after B 1, B 2, or B 3].

2 hrs.

Professor PECK.

The history and characteristics of Roman oratory. Fragments of several Roman orators will be studied in connection with readings from the three critics.

C 2 *The Conspiracy of Catiline* [after B 1, B 2, or B 3].

2 hrs.

Professor MORRIS.

A study of the events of the year 63 from the sources.

C 3 *The Epistles of Horace*

[after two years of superior work in Latin].

1 hr.

Professor PECK.

All the Epistles (including the "Art of Poetry") will be studied with particular reference to the literary and ethical standards of Horace.

[*C 4] *Vergil* [after B 1, B 2, or B 3].

2 hrs.

Professor MORRIS.

An introduction to Vergil, for students who expect to teach ; practice in the use of the best editions and of other critical and exegetical helps.

Omitted in 1904-1905.]

***C 6 *Advanced Latin Prose Writing* [after B 10]. 2 hrs.**

Professor OERTEL.

A study of Cicero's *Laelius* from the stylistic point of view. Exercises in translation and free composition. Especially designed for those who intend to teach Latin.

[*C 9 *Early Latin* [after three years of Latin]. 2 hrs.

Professor PECK.

Study of inscriptions and of the ante-classical literature. The course is largely philological and critical, dealing with the development of forms, constructions and literature, and it is especially commended to those who expect to teach Latin.

Omitted in 1904-1905.]

A few Juniors or Seniors who have done superior work in Latin may, with the consent of the instructor, be received into the following graduate courses:—*Selections from Latin Authors on the Latin Language* (Professor Oertel); *Latin Syntax* (Professor Morris); *The Italic Dialects* (Professor Oertel); *Text Criticism* (Professor Clark); *Comparative Syntax* (Professor Hopkins); *Linguistics* (Professor Oertel). These courses are described in the pamphlet of Graduate Courses.

For Outline Survey of Ancient History see courses History B 2 and B 3.

For Roman Archaeology see courses in Classical Archaeology B 5 and C 1.

II. GREEK

A 1 *Homer, Herodotus, and Plato.* 3 hrs.

Professor SEYMOUR and Mr. BASSETT.

Four of the last six books of Homer's *Iliad*, Selections from Herodotus's history of the Persian Wars, and Plato's *Apology*.

A 2 *Lysias, Demosthenes, Plato, and Lyric Fragments.* 3 hrs.

Professor GOODELL and Mr. CASKEY.

Selected speeches of Lysias, the *Philippics* of Demosthenes, the *Apology* of Plato and parts of his dialogues, and a few of the easier lyric fragments.

A 3 *Homer, Plato, and Euripides.* 3 hrs.

Professor REYNOLDS and Dr. WRIGHT.

Four books of Homer's *Odyssey*, the *Apology* of Plato and parts of his dialogues, and the *Alcestis* of Euripides.

B 1 *The Athenian Drama.* 3 hrs.

Professor GOODELL.

Representative plays of Aeschylus, Sophocles, Euripides, and Aristophanes are read; lectures are given on the Greek theater, and on the Attic drama and its relations to earlier and later literature.

B 2 *The Athenian Drama.* 3 hrs.

Professor REYNOLDS.

The *Seven against Thebes* of Aeschylus, the *Antigone* of Sophocles, the *Medea* of Euripides, and the *Frogs* of Aristophanes. For further information see the statement under B 1, to which this course is parallel.

[B 3 *Homer* [after A]. 2 hrs.

Professor REYNOLDS.

Reading of the entire *Odyssey*. This course is intended for the general student of literature.

Omitted in 1904-1905.]

B 4 *Greek Drama* [after B 1 or 2]. 2 hrs.

Professor REYNOLDS.

Five or six plays of Euripides are read, with discussion of special topics, and occasional lectures.

B 5 *Herodotus* [after B 1 or 2]. 2 hrs.

Professor HOPKINS.

Selections from Herodotus chosen with a view to the study of the author's style.

B 6 *Demosthenes and Theocritus* [after B 1 or 2]. 2 hrs.

Professor SEYMOUR.

(a) *Demosthenes on the Crown*. 1st half-year.

(b) *The chief Idylls of Theocritus*. 2d half-year.

[B 7 *Greek Testament* [after B 1 or 2]. 2 hrs.

Professor SEYMOUR.

A philological study of St. Paul's *Epistles to the Corinthians*, and *the Galatians*, and the chief characteristics of the Hellenistic diction.

Omitted in 1904-1905.]

B 8 *Lucian: Greek Culture under Marcus Aurelius*
[after B 1 or 2]. 2 hrs.

Professor REYNOLDS.

A general reading course in prose, with discussion of the life and times of Lucian and of his influence upon later literature.

B 9 *Greek Composition* [after B 1 or 2]. 1 hr.

Mr. BASSETT.

The course is intended for those who intend to teach.

B 10 *Modern Greek* [after B 1 or 2]. 1 hr.

Mr. BASSETT.

A practical introduction to the reading and speaking of colloquial Modern Greek.

B 11 *Aristophanes and his Caricatures of Athenian Citizens*.
2 hrs.

Dr. WRIGHT.

The *Acharnians*, *Clouds*, *Knights*, and *Wasps*, with special reference to the lampoons directed at Euripides, Socrates, Cleon, and Nicias. Comedy as a weapon of reform.

- [C 1 *Aeschylus and Pindar* [after B 1 or 2]. 2 hrs.
Professor SEYMOUR.

The *Persians* and the *Agamemnon* of Aeschylus with special attention to their dramatic structure, and the principal extant odes of Pindar, with a comparison of the poems of Bacchylides.

Omitted in 1904-1905.]

- *C 2 *Sophocles* [after B 1 or 2]. 3 hrs.
Professor GOODELL.

Reading of the seven extant plays, with special attention to the artistic form and to practice in reading Greek verse aloud.

- [C 3 *The Testimonies of Aristophanes, Thucydides, and Plutarch to the career of Pericles* [after B 1 or 2]. 2 hrs.

Professor PERRIN.

A study of literary forms (Old Athenian Comedy, History, Biography) and historical tradition.

Omitted in 1904-1905.]

- C 4 *Plato and Aristotle* [after B 1 or 2]. 2 hrs.
Professor SEYMOUR.

(a) The *Phaedo* of Plato; with an introduction to the literary and philosophical study of this author.

(b) The *Nicomachean Ethics* of Aristotle, Books i-iv and x.

- *C 5 *Greek Composition*. 1 hr.
Professor GOODELL.

Intended for Graduates and specially qualified Seniors and Juniors.

For Outline Survey of Ancient History, see courses History B 2 and B 3.

III. CLASSICAL ARCHAEOLOGY

- B 1 *Greek Art—I. Sculpture* [after Greek A]. 2 hrs.
(To count as a B course in Greek.)

Dr. BAUR.

Lectures and quizzes by the instructor. Special study of the literary sources by the students. Occasional reports from members of the class.

[B 2 *Greek Art—II. The Lesser Arts* [after Greek A].

2 hrs.

(To count as a B course in Greek.)

Dr. BAUR.

This course treats briefly of Greek painting, ceramics, terracottas, bronzes and other metal work, coins and gems.

Omitted in 1904-1905.]

B 3 *Greek Architecture* [after Greek A].

2 hrs.

(To count as a B course in Greek.)

Dr. BAUR.

The various forms of building-construction are successively examined in informal lectures, supplemented by occasional reports from members of the class.

B 4 *Topography and Monuments of Athens* [after Greek A].

2 hrs.

(To count as a B course in Greek.)

Dr. BAUR.

A combination of the historical and the strictly topographical methods of treatment is adopted.

B 5 *Roman and Etruscan Art* [after Latin A].

2 hrs.

(To count as a B course in Latin.)

Dr. BAUR.

This course includes such subjects as Roman architecture, Graeco-Roman sculpture, topography and monuments of Rome and of Pompeii; also the domestic arts. Select topics are investigated by the members of the class.

C 1 *Introduction to Roman Archaeology* [after three years of superior work in Latin].

2 hrs.

Professor PECK.

This course includes such subjects as the physical peculiarities of Latium, the situation and topography of Rome, the Forum and imperial Fora, temples, tombs, arches and other monuments, roads, money.

IV. SANSKRIT, LINGUISTICS, AND COMPARATIVE PHILOLOGY

B 1 *Elementary Sanskrit* [after Latin A and Greek A].
2 hrs.

Professor HOPKINS.

Instruction in Sanskrit, beginning with Whitney's *Sanskrit Grammar*, and passing on to Lanman's *Reader*. Especially recommended to Seniors who purpose to take graduate work in classical philology.

B 2 *Phonetics* [after Latin A and Greek A]. 1 hr.

Professor OERTEL.

A general and rather elementary introduction to Phonetics, based on a study of the English, French, and German sound-systems.

***C 1** *Introduction to Comparative Syntax* [after Latin A and Greek A]. 1 hr.

Professor HOPKINS.

For this course a knowledge of Sanskrit is desirable but not necessary, and it may be taken by any classical student.

***C 2** *Linguistics*. 2 hrs.

Professor OERTEL.

An introduction to the scientific study of linguistic development.

V. SEMITIC LANGUAGES AND BIBLICAL LITERATURE

A 1 *Biblical Literature and History*. 3 hrs.

Professor KENT.

A general course intended for students who wish to gain a definite, systematic knowledge of the literature of the Bible on the basis of the best English translations.

B 1 *Historical Origin of Christianity.* 1 hr.

Professor KENT.

A course of lectures on the growth of Judaism, the conditions in the Graeco-Roman world at the beginning of the Christian era, and the testimony of the historical sources regarding the beginnings of Christianity.

[**B 2** *Israelitish, Jewish, and Christian Laws and Institutions.* 2 hrs.

Professors KENT and SANDERS.

First half-year, Professor KENT.

A systematic codification and interpretation of the laws found in the Old Testament. The social, political, and religious institutions of the Israelites are studied and compared with the usages of other ancient Semitic peoples.

Second half-year, Professor SANDERS.

A corresponding study of the laws and institutions of later Judaism and Christianity and of their historic relationship to the systems which antedated and influenced them.

Omitted in 1904-1905.]

B 3 *Hebrew Poetic and Wisdom Literature.* 2 hrs.

Professors KENT and SANDERS.

First half-year, Professor KENT.

Investigation (on the basis of the English translation) of the characteristics of Hebrew poetry. Special attention will be given to the origin, structure, and interpretation of the Psalter.

Second half-year, Professor SANDERS.

An investigation (on the basis of the English translation) of the forms of Hebrew reflective literature and a comparison with the similar literature of other nations.

[**B 4** *The English Bible.* 2 hrs.

Professor SANDERS.

The history of the gradual growth of the English Bible from its earliest beginnings to the American Revision of 1900.

Omitted in 1904-1905.]



B 5 *The Gospels.*

1 hr.

Professor SANDERS.

A study of the Gospels from the English Bible with reference to their origin and interpretation, and concluding with a classification and examination of the teachings of Jesus.

B 6 *Hebrew (elementary course).*

2 hrs.

Mr. LENT.

A study of the elements of the Hebrew language in connection with the reading of Genesis i-viii and of selected passages of easy Hebrew.

B 7 *Advanced Hebrew* [after B 6].

2 hrs.

Mr. LENT.

Reading of the Books of Samuel and a thorough review of the elements of Hebrew grammar and syntax, followed by practice in rapid sight reading.

B 8 *Arabic (elementary course).*

2 hrs.

Professor TORREY.

The elements of Arabic grammar, including exercises in writing. Rapid reading of easy prose extracts.

Note. Courses B 6, 7, and 9 to 12 and Professor Stevens' course in Introduction to Theology on p. 139, are intended especially for those who desire to anticipate the work of the first year in the Divinity School. Such men must have completed by graduation at least eight of the fifteen hours required of Junior Theological students. Students who hold the degree of A.B. from some other institution and who desire to complete the Hebrew requirement in one year may elect the four-hour elementary course offered by Professor Curtis in the Theological department.

B 9 *Pauline Epistles* [with B 10].

3 hrs. 1st term.

Professor BACON.

- Critical interpretation of Galatians with comparison of the other major epistles. The work of the class with commentaries and exegetical apparatus followed by the instructor's critical and exegetical summary.

B 10 *Synoptic Gospels* [with B 9]. 3 hrs. 2d term.

Professor BACON.

Similar study of Mark with comparison of Matthew and Luke. Questions of a historico-critical character bearing on the life of Christ mainly discussed and summarized by the instructor.

B 11 *Christological Epistles* [with B 12]. 1 hr. 1st term.

Professor BACON.

Lectures on Ephesians and related epistles of Paul, aiming to show the history and type of the higher Christology.

B 12 *New Testament Encyclopaedia* [with B 11].
1 hr. 2d term.

Professor BACON.

Lectures on the field and apparatus of New Testament study, philology, archaeology, textual and higher criticism. Open only to those who take this study.

C 1 *The Discovery and Decipherment of the Ancient Inscriptions.* 1 hr. 1st term.

Professor KENT.

A review of the history of excavations in ancient Assyria, Babylonia and Syria, with a study of the problems and methods of the modern excavator.

*C 2 *Biblical Seminary.* 2 hrs.

Professor KENT.

A course intended to train students for patient, accurate, and independent investigation of Biblical and cognate questions. It is open only to those who have a general acquaintance with the field of Biblical history and literature.

MODERN EUROPEAN LANGUAGES AND LITER- ATURES

ROMANCE LANGUAGES

DIRECTIONS AS TO CHOICE OF ELECTIVES

Course A 4 is for students who have the minimum French training. Those who choose it may not take any other elective in that language, but the courses in Italian and Spanish are open to them.

All the others are of general interest and open both to Juniors and to Seniors. The selection in each individual case should depend, next to the student's wish, on the relative amount and success of previous training. Each course is followed by a statement of the qualifications required, but consultation with the instructors is strongly advised when not otherwise required.

VI. FRENCH

The courses in French are graded as follows :

GRADE A.	GRADE B.	GRADE C.
Second-Year French.	Sophomore Advanced.	History of Literature (in
Either	Literature of Nineteenth Cen-	French).
Freshman Advanced,	tury.	Molière.
or	Reading Course.	Practice in Writing and
Sophomore Second-Year,	French Drama.	Speaking French.
or		
Course A 4.		

A 1 *Elementary French.*

[Freshmen and Sophomores.] 3 hrs.

Mr. FARNSWORTH, Dr. CURDY and Dr. BUFFUM.

A careful study of the main facts of French Grammar and practice in pronunciation. As soon as possible the reading of easy French prose is taken up.

A 2 *Freshman Advanced French.* 3 hrs.

Professor WARREN, Mr. FARNSWORTH, Dr. CURDY and
Dr. BUFFUM.

See statement under course A 3.

A 3 *Sophomore Second-Year French.* 3 hrs.

Dr. CURDY and Dr. BUFFUM.

Reading from standard French authors; a short course in
French syntax accompanied by exercises in composition and
oral practice.

A 4 *Second-Year French* [after A 1].

[Juniors and Seniors.] 3 hrs.

Dr. MCKENZIE.

Reading from French authors of the nineteenth century.

B 1 *Sophomore Advanced French.* 3 hrs.

Assistant Professor SANDERSON and Mr. FARNSWORTH.

French Prose and Poetry. Masterpieces of the last three
centuries are read. Composition. Divisions I and II will be
conducted in French.

*B 2 *Reading Course.* 1 hr.

Professor WARREN.

For students who have done satisfactory work in A 2, 3 or 4.
The intention of the course is to enable students to keep up
their reading knowledge of French.

B 3 *French Literature of the Nineteenth Century*

[after A 2, 3 or 4]. 2 hrs.

Assistant Professor SANDERSON.

A study of French literature from 1800 to the present day.
The first half of the year will be given up to Châteaubriand
and V. Hugo. Afterwards G. Sand, Balzac, Michelet, Renan,
etc., will be read and studied, as time will allow. *Conducted in
French if desired.*

B 4 *French Drama of the Nineteenth Century.* 2 hrs.

Dr. McKENZIE.

Reading of selected plays of the nineteenth century, with lectures on the development of the drama in France from the Middle Ages to the present day.

***C 1** *History of French Literature* [after a B course]. 2 hrs.

Assistant Professor SANDERSON.

A study of French literature from the origins to 1870. Only works written in modern French will be read, the matter previous to the seventeenth century being treated in lectures. The course will be *conducted in French*.

***C 2** *Molière* [after C 1 or its equivalent]. 1 hr.

Assistant Professor SANDERSON.

A linguistic and literary study of Molière's best plays.

***C 3** *Practice in Writing and Speaking French.* 2 hrs.

Assistant Professor SANDERSON.

This course will be conducted entirely in French. It is especially intended for graduates or undergraduates who read French with ease and understand it when they hear it spoken.

VII. ITALIAN

The courses in Italian are graded as follows:

GRADE A.	GRADE B.	GRADE C.
Elementary.	Dante. Italian Literature.	Petrarch and Boccaccio.

A 1 *Italian (Elementary).* 3 hrs.

Dr. McKENZIE.

Stress is laid on the acquisition of a good pronunciation and on mastery of the grammar. Young's *Italian Grammar*; reading from modern authors.

B 1 *Dante* [after A 1]. 2 hrs.

Dr. McKENZIE.

Literary study of Dante's *Vita Nuova* (Casini's edition, Firenze, 1891) and *Divina Commedia*.

B 2 *Italian Literature*. 2 hrs.

Dr. McKENZIE.

Lectures on the history of Italian literature, with collateral reading. A knowledge of Italian is not required.

[C 1 *Petrarch and Boccaccio*. 2 hrs.

Dr. McKENZIE.

A study of the Italian writings of Petrarch and Boccaccio, and of their influence on the humanistic movement. This course is primarily for graduates, but is open also to properly qualified undergraduates.

Omitted in 1904-1905.]

VIII. SPANISH

The courses in Spanish are graded as follows :

GRADE A.	GRADE B.	GRADE C.
Elementary.	19th Century.	Literature of the 16th and 17th Centuries.
(At least one year of French or its equivalent is required.)		General View of Spanish literature.

A 1 *Elementary Spanish*. 3 hrs.

Professor LANG and Dr. SCHWILL.

In this course, stress will be laid on the acquisition of a good pronunciation, and on such a mastery of the grammar as shall lead to a ready and accurate reading knowledge, which is the leading aim of the instruction.

B 1 *Spanish Prose of the Nineteenth Century*

[after A 1]. 2 hrs.

Professor LANG.

The object of this course is to give the student fluency in reading Spanish. In addition to the reading done in the class-room, a number of texts will be assigned for outside study.

B 2 *Reading and Composition in Spanish* [after A 1]. 2 hrs.
Dr. SCHWILL.

This course is designed for those who require the use of Spanish for commercial purposes. The writing of letters and the reading of commercial papers will be especially considered.

***C 1** *Spanish Prose of the Sixteenth and Seventeenth Centuries* [after two years of Spanish]. 2 hrs.
Professor LANG.

Lasarillo de Tormes, Cervantes' *Don Quijote*, etc., will be read in class, while additional work will be assigned for private study. The student's attention will be directed to the relation of Spanish literature in this period to other literatures.

***C 2** *The Spanish Drama of the Sixteenth and Seventeenth Centuries* [after two years of Spanish]. 2 hrs.
Dr. SCHWILL.

This course will consist of lectures in connection with the reading in class of selected plays by Lope de Vega, Tirso de Molina, Calderón, etc. Work will be assigned for reports to be made in class.

[*C 3 *General View of Spanish Literature*
[after two years of Spanish]. 1 hr.
Professor LANG.

The aim of this course is to give the student an outline of the development of Spanish literature. In addition to the work done in the class-room, outside reading will be required.

Omitted in 1904-1905 ; given in alternate years.]

COURSES IN THE GERMANIC LANGUAGES

Students who have already had but one year of German and wish to continue its study, should choose course A 4.

Students who have already had but two years of German and wish to continue its study, should choose among courses B 2, B 4 and B 5, but have course B 3 also open to

them, and in 1904-1905 course B 1*a*. Courses B 2, B 4 and B 5 are intended to be parallel courses differing in subject-matter and vocabulary, and choice between them should be made according to the interest in one or the other subject-matter and vocabulary.

Students who have already had three years of German should choose among courses B 3, C 1, C 2, and C 4, but have courses B 2, B 4 and B 5 also open to them.

Courses C 3, C 5, C 6, C 7, C 8, C 9 and C 10 are primarily graduate courses, and are not to be chosen without the previous advice and consent of the instructor.

Of the courses in Scandinavian, in reference to which Professor Palmer may be consulted, courses A 1 and A 2 are open only to those who have had at least one year of German; course C 1, primarily a graduate course, is not to be chosen without the previous advice and consent of the instructor.

IX. GERMAN

The courses in German are graded as follows:

GRADE A.	GRADE B.	GRADE C.
Second-Year German.	Sophomore Advanced.	Goethe.
Either	Prose Reading.	Hist. of Literature
Freshman Advanced,	Composition.	and <i>all</i> graduate
or Sophomore Second-	Schiller's Drama.	courses.
year, or Course A 4.	Literature of 19th Cent.	

A 1 *Elementary German*. [Freshmen and Sophomores.]
3 hrs.

Mr. BAKER, Mr. GUBELMANN and Mr. VESTLING.

Grammar. Translation from German into English of simple narrative prose. Elementary exercises in translating into German. Practice in pronunciation.

This course cannot be taken later than Sophomore year.

A 2 *Freshman Advanced German.*

3 hrs.

Dr. FARR and Mr. GUBELMANN.

See statement of course A 4.

A 3 *Sophomore Second-Year German.*

3 hrs.

Mr. BAKER.

See statement of course A 4.

A 4 *Second-Year German.* [Juniors and Seniors.] 3 hrs.

Mr. BAKER.

Reading of short stories and selections from more difficult prose and poetry ; practice in writing German ; study of word-formation. Students who have already had one year of German, and wish to continue its study, will choose this course.

B 1 *Sophomore Advanced German.* [Sophomores.] 3 hrs.

Professor PALMER and Dr. FARR.

Either *a* or *b* may be taken, but *not both*.**a** Professor PALMER.*German Drama.*

Rapid reading of dramas of the eighteenth and nineteenth centuries.

b Dr. FARR.*Prose of Modern Historians and Critics.*

Rapid reading of selections from history, political writings, and literary criticism. The object of the course will be to acquaint the student more fully with the historical and critical vocabularies and styles.

Weekly exercises throughout the year in German composition.

B 2 *Prose of Modern Historians and Critics*

[after two years of German]. 2 hrs.

Dr. FARR.

Rapid reading of selections from history, political writings, and literary criticism. The object of this course will be to acquaint the student more fully with the historical and critical vocabularies and styles.

***B 3** *German Composition and Conversation.* 3 hrs.

Dr. FARR.

For practice in speaking and writing. The course, conducted in German, is especially intended for those who look forward to teaching German.

[B 4 *The Drama of Schiller and his Contemporaries*
[after two years of German]. 2 hrs.

Professor GRUENER.

Rapid reading and literary study of Lessing's *Nathan der Weise*, Goethe's *Götz von Berlichingen* and *Iphigenie auf Tauris*, and Schiller's *Wallenstein's Tod*. Lectures on the literature of the period with especial reference to the development of the German drama. The course is not open to those who have taken B 1a.

Omitted in 1904-1905.]

B 5 *German Literature of the Nineteenth Century*
[after two years of German]. 2 hrs.

Dr. FARR.

A survey of German literature after the death of Goethe. Representative works of the best known authors will be read, and occasional lectures given to show the development of German literature during the nineteenth century.

C 1 *Goethe, Life, Shorter Poems and Faust* [after a B course or its equivalent]. 2 hrs.

Professor PALMER.

Together with outline study of Goethe's life a large number of his shorter poems will be read in chronological order, and then particular attention given to the translation and interpretation of *Faust* (both parts).

C 2 *Goethe, Prose Works* [with or after C 1]. 1 hr.

Professor PALMER.

Reading and discussion of Goethe's more important prose works and utterances in letters, journals, and conversations.

- [*C 3 *German Literature of the Reformation Period*
(1500-1624). 3 hrs.

Professor GRUENER.

The development of German literature will be studied from the beginning of the Reformation to the time of Opitz. Characteristic works will be read with reference to the literary, political, social, and religious conditions of the times.

Omitted in 1904-1905.]

- [*C 4 *History of German Literature, 1624-1832* [after a B course or its equivalent]. 2 hrs.

Professor PALMER.

The development of German literature will be studied from the time of Opitz to Goethe's death.

Omitted in 1904-1905.]

- *C 5 *Introduction to Germanic Philology.* 2 hrs.

Professor PALMER.

A course introductory to the general study of Germanic philology, dealing with its history, methods, fields, and fundamental facts. The basis of the work will be Paul's *Grundriss der Germanischen Philologie*, of which portions will be read, discussed and supplemented by informal lectures.

- *C 6 *Gothic.* 2 hrs.

Professor PALMER.

An introductory course, especially for those intending to study German or English historically, in the study of Gothic and its phonological relations both to earlier Indo-Germanic and to later Germanic languages.

- [*C 7 *Old High German.* 3 hrs.

Professor CORWIN.

A rather detailed course in the oldest High German dialects and literature. Braune's *Althochdeutsche Grammatik* and *Althochdeutsches Lesebuch* and the collateral literature for reference.

Omitted in 1904-1905.]

*C 8 *Middle High German.* 3 hrs.

Dr. GLASCOCK.

Hartmann; *Der arme Heinrich* and *Iwein. Nibelungenlied.*
Selected poems of Walther von der Vogelweide. Selections from
Wolfram von Eschenbach's *Parsival.* Lectures and papers.

*C 9 *History of New High German.* 2 hrs.

Professor CORWIN.

The earlier periods of the language will first be surveyed for the purpose of gaining a comprehensive view of the chief linguistic phenomena and their causes. Upon this basis a more special study will be made of the origin and development of New High German.

*C 10 *Early Dramatic Literature of Germany.* 3 hrs.

Professor PALMER.

Studies in the dramatic literature of the sixteenth and seventeenth centuries in Germany.

X. SCANDINAVIAN

Courses in the Scandinavian languages and literatures are graded as follows:

GRADE A.

Elementary Norwegian.

Elementary Swedish.
(At least *one* year of German, or its equivalent, is presupposed.)

GRADE C.

Old Norse.

A 1 *Norwegian and Danish.* 2 hrs.

Professor PALMER.

The object of this course is to lay the foundation for a reading and practical knowledge of the language.

[A 2 *Swedish.*

2 hrs.

The object of this course is to lay the foundation for a reading and practical knowledge of the language.

Omitted in 1904-1905.]

*C 1 *Old Norse (Icelandic).*

3 hrs.

Professor PALMER.

Grammar, and reading in the Sagas and the Elder Edda.

XI. ENGLISH

COURSES IN RHETORIC

Note. Course B 1 is a necessary preliminary to any other course in composition. All the other B courses in rhetoric, except B 3, are open to both Juniors and Seniors who have completed B 1.

B 1 *Rhetoric* [with English B 1]. 1 hr.

Assistant Professor BALDWIN, Dr. TAYLOR, Dr. BERDAN
and Dr. WINTER.

A general course in composition and expression ; recitations and lectures, one hour a week ; frequent essays, with regular appointments for the criticism of each.

*B2 *Introduction to Public Speaking* [with or after B 1].
[Sophomores and Juniors.] 1 hr.

Assistant Professor BALDWIN and Mr. TROWBRIDGE.

Study of the principles and practice of oratory, with training for oral, public presentation.

B 3 *Verse-Composition.* 1 hr.

Professor LEWIS.

Regular fortnightly practice in heroic verse, blank verse, the sonnet, and other standard forms.

B 4 *Short Themes* [after B 1]. 2 hrs.

Assistant Professor BALDWIN.

A course in personal expression : first term, five single-page themes a week ; second term, weekly themes ; topical recitations on style and on literary forms ; regular appointments for criticism.

***B 5** *Story-Writing* [after B 1]. 2 hrs.

Dr. TAYLOR.

Systematic practice in narrative ; topical recitations on narrative forms ; regular appointments for criticism.

B 6 *Debates* [after B 1].2 hrs. each fortnight, *to count as 1 hr. a week.*

Mr. TROWBRIDGE.

A course for practice in public speaking. Supplements the more detailed study of structure and style in B2. Is cast in the form of debates for the sake of interest.

B 7 *Essay-Writing* [after B 1]. 1 hr.

Dr. BERDAN.

Analysis of modern essays for the technique of practical prose : in pure exposition, Huxley, Gladstone, Spencer, etc. ; in criticism, Newman, Arnold, Lowell, etc. ; in the more personal manner, Stevenson, Birrell, Repplier, etc.

[*C 1 *Six Essays* [after B 4, 6, or 7]. [Seniors.] 1 hr.

Assistant Professor BALDWIN.

Practice in more extended composition, especially in criticism ; detailed analysis of a few nineteenth century essayists and of assigned topics in critical method ; regular appointments.

Omitted in 1904-1905.]

C 2 *Theory of the Drama.* [Seniors.] 1 hr.

Dr. TAYLOR.

A study in dramatic technique.

A course designed to present the methods and purpose of the principal English playwrights.

Topical recitations, reports on assigned reading, systematic practice in writing and composition.

COURSES IN ENGLISH LITERATURE

A 1 *Freshman English*. [Freshmen.] 3 hrs.

Dr. ROOT, Dr. J. C. ADAMS, Dr. TINKER, and Dr. MALLORY.

A careful study of a few important books, having as its aim the development of an intelligent appreciation of the best poetry and prose. Among the authors studied are Shakespeare, Bacon, Carlyle, Ruskin, and Tennyson.

B 1 *History of English Literature* [with Rhetoric B 1].
2 hrs.

Assistant Professor REED, Dr. OSGOOD, and Dr. ROOT.

A general outline course, preparatory to the study (in more advanced courses) of special periods and topics. Among the authors read are Spenser, Shakespeare, Milton, Addison, Steele, Pope, Swift, Gray, Sheridan.

B 2 *Chaucer and his Century*. 2 hrs.

Dr. ROOT.

A literary study of Chaucer and some of his contemporaries in England and on the continent.

[B 3 *English Comedy*. 1 hr.]

Dr. TAYLOR.

A reading course in the development of English comedy from its first expression to the plays of Sheridan.

Omitted in 1904-1905.]

B 4 *Shakespeare*. [Seniors] 2 hrs.

Professor LEWIS.

A rapid reading of all the plays. Lectures, with daily written tests.

B 5 *Elizabethan Drama*. 2 hrs.

Professor PHELPS.

The English drama, from the mystery plays to the closing of the theatres in 1642, studied from both the literary and the dramatic point of view.

The method of instruction will be by lectures. A weekly one-page critical theme will be required of each student in the class.

B 6 *The Modern Drama.* 2 hrs.

Professor BEERS.

A historical review of the acted drama in England from 1660 to 1900, with a few of the most significant closet-plays.

***B 7** *English Prose.* [Juniors.] 2 hrs.

Assistant Professor REED.

The first half-year will be devoted to prose other than fiction, from Sidney to Johnson; the second half-year to fiction, from the Elizabethan romances to Jane Austen.

B 8 *Samuel Johnson and his Circle.* 2 hrs.

Dr. OSGOOD.

A study of the literature, ideals, and important achievements of Johnson's time, with Johnson as the central figure, and Boswell's *Life* as the central book.

[B 9 *American Literature.* 1 hr.

Professor PHELPS.

A course of lectures on leading American authors of the past hundred years. A large amount of reading will be required; also a weekly one-page critical theme from each member of the class.

Omitted in 1904-1905.]

B 10 *English Poets of the Nineteenth Century.*

[Juniors.] 2 hrs.

Professor LEWIS.

Wordsworth, Coleridge, Byron, Shelley, Keats, Landor, Tennyson, Browning, Rossetti, Morris, Swinburne, Arnold, Clough, and others. Lectures, with written tests.

B 11 *Victorian Literature.* 2 hrs.

Professor BEERS.

Selected topics from the literature of the Victorian age. Fiction will be excluded, as well as the poetry of Tennyson and Robert Browning.

B 12 *Tennyson and Browning.*

2 hrs.

Professor PHELPS.

The study of Tennyson as poet and artist, and of Browning as an interpreter of life. The method of instruction is by recitations and discussions.

***B 13** *English Verse-Drama of the Nineteenth Century.*

[Seniors.] 1 hr.

Dr. J. C. ADAMS.

A study of the modern poetic drama, and of its relation both to the stage and to other forms of literature.

B 14 *English Prose of the Nineteenth Century.*

2 hrs.

Dr. J. C. ADAMS.

The course requires a considerable amount of reading from the most important prose of the century, excluding fiction. The reading is supplemented by biographical and critical lectures.

B 16 *Early Narrative.*

1 hr.

Dr. TINKER.

Study of the Germanic hero-tale, the Norse saga, the minstrel romance, and the popular ballad, and of the influence of this literature on the work of Percy, Scott, Rossetti, Morris, and Arnold.

***C 3** *Mediaeval Allegory.*

2 hrs.

Professor BEERS.

The *Purgatory* of Dante, the *Romaunt of the Rose*, and a portion of *Piers Plowman* will be read in class, with other texts illustrative of the subject.

***C 4** *Theories of Poetry.*

[Seniors.] 2 hrs.

Professor COOK.

A course in the theories of poetry in general, and in the principles of criticism applicable to its various departments, as the epic, dramatic, and lyric.

***C 5** *Old and Middle English.* 2 hrs.

Professor COOK.

An elementary course in the beginnings and earlier development of the English language and literature.

***C 6** *Dante in English.* [Seniors.] 2 hrs.

Professor COOK.

A course primarily in the *Divina Commedia* and the *Vita Nuova*. Much attention is bestowed upon the historical and literary background of the poet and his works.

[*C 7 *Literary Types.* [Seniors.] 2 hrs.

Professor COOK.

A survey of European literature, with reference to the characterization and illustration of the more important species. Candidates must satisfy the instructor with regard to their proficiency in French, German, and Latin.

Omitted in 1904-1905.]

***C 8** *English Lyrical Poetry.* [Seniors.] 2 hrs.

Assistant Professor REED.

A lecture course, with brief papers on assigned reading, on the origin and development of the English lyric from Skelton to the present day. Twenty may elect this course.

[*C 10 *Elizabethan Literature.* [Seniors.] 2 hrs.

Professor PHELPS.

Studies in the poetry and prose of the Elizabethan period, exclusive of the drama. Lectures, discussions, and preparation of special papers by members of the class.

Omitted in 1904-1905.]

***C 11** *Shakespeare.* [Seniors.] 1 hr.

Professor LEWIS.

A minute study of *Macbeth* and *Hamlet*.

***C 12** *Milton and his Contemporaries.*

2 hrs.

Professor BEERS.

The *belles lettres* of the Puritan Revolution. All Milton's English, and some of his Latin poems, with his most important prose. The Church poets and Cavaliers, diaries, memoirs, etc.

***C 13** *English Literature of the Seventeenth Century.*

[Seniors.] 2 hrs.

Professor PHELPS.

A study of English poetry and prose from Donne to Dryden, exclusive of the drama. The social life of the times is discussed in connection with the authors read.

(2) MATHEMATICS AND THE PHYSICAL AND NATURAL SCIENCES

XII. MATHEMATICS

The mathematical courses described in the following pages fall into four groups, viz: Pure Mathematics; Mathematical Physics; Astronomy; Engineering Sciences. The course in Advanced Calculus is the foundation of each of these groups and should be taken in Junior year. The students in Pure Mathematics should also take the courses in Analytical Geometry, Projective Geometry, and Higher Algebra, some time in their Junior and Senior years; those in Astronomy the courses in Analytical and Celestial Mechanics; those in Mathematical Physics the course in Analytical Mechanics; and those in Engineering Studies the courses in Descriptive Geometry and Machine Drawing, and in Machine Designing.

Students desiring to take honors in mathematics, or intending to pursue graduate studies in any one of the above lines, should follow this scheme rather closely.

As modern mathematical literature is largely in French and German, students should acquire as soon as possible a good reading knowledge of these languages.

It is desirable even for students of pure mathematics that they should acquire the elements of descriptive geometry, and facility in the use of drawing instruments.

The seminary rooms and mathematical laboratory at 90 High Street are open to students taking the more advanced courses.

A 1 *Solid Geometry, Plane Trigonometry, and Analytical Geometry.* [Freshmen.] 3 hrs.

Professor BEEBE, Assistant Professor HAWKES, Drs. GALE and WILSON.

B 1 *Calculus* [after A 1]. 3 hrs.

Professor PHILLIPS.

The elements of the Differential and Integral Calculus including the elements of Differential Equations.

B 2 *Spherical Geometry and Trigonometry ; Surveying, Navigation, and Nautical Astronomy* [after A 1]. 3 hrs.

Professor E. L. RICHARDS.

A short course in Surveying, and an elementary course in Navigation and Nautical Astronomy. Instruction in the use of the sextant will be given to pupils desiring it.

B 3 *Analytical Geometry.* [Juniors and Seniors.] 2 hrs.

Dr. GALE.

A course in the elements of Plane and Solid Analytical Geometry adapted to the needs of students of Engineering, Physics, and pure Mathematics.

B 4 *Higher Algebra.* [Juniors and Seniors.] 2 hrs.

Assistant Professor HAWKES.

This course treats those algebraic facts and methods which are indispensable for the further pursuit of pure or applied Mathematics and highly desirable for one who expects to teach.

B 5 *Geometry.* [Juniors and Seniors.] 2 hrs.

Assistant Professor HAWKES.

Historical and critical study of elementary Geometry, especially intended for those who expect to teach.

Those who propose to take course B 6 must consult Professor Phillips beforehand, whose approval, in writing, is required. This course together with course C 6, for Seniors, is designed especially for students who intend to take a graduate course in Mechanical Engineering.

***B 6** *Descriptive Geometry and Machine Drawing.*

3 hrs., to count as 2 hrs.

Professor C. B. RICHARDS and Assistant Professor MARSHALL.

Course B 6 is open only to a limited number of those who have studied the Mathematics of the Sophomore year. The course includes the principles of orthographic projection, the intersection and development of surfaces; in the second term, elements of machine drawing.

B 7 *Descriptive Astronomy.* [Juniors and Seniors.] 1 hr.

Professor BEEBE.

Intended principally for the study of the historical and physical side of Astronomy. Opportunity is given for the use of the telescope. Text-book: Young's *Elements of Astronomy*.

***B 8** *Surveying.*

to count 1 hr.

Professor BEEBE.

Field work with level, transit and plane table; correction of instrumental errors; drawing contour maps. Required of those electing Geology C (see p. 129) and open to them only.

C 1 *Advanced Calculus* [after B 1].

2 hrs.

Dr. WILSON.

Gives the student an extended and practical formal knowledge of Calculus such as is of great use in pure Mathematics and indispensable in the applications to Engineering and Physics.

C 2 *Analytical Mechanics* [after B 1].

2 hrs.

Dr. GALE.

In this course the Calculus is applied to the solution of problems on the motion and equilibrium of a point, motion in a plane, and equilibrium of a rigid body.

***C 3** *Introduction to Mathematical Physics.* 2 hrs.

Dr. WILSON.

This course is to meet the needs of students of Physics, Engineering, theoretical Chemistry, and to afford students of pure Mathematics an insight into the simpler applications.

[*C 4 *Celestial Mechanics* [after B 1, B 2 and C 2]. 2 hrs.

Professor BEEBE.

Development of formulae and numerical calculations for determining the parabolic orbit of a comet from three observations.

Computation of an ephemeris and reduction of observations for comparison with the ephemeris.

The course may be carried on through a second year to computation of elliptic orbits and the discussion of perturbations.

Omitted in 1904-1905.]

C 5 *Projective Geometry.* 3 hrs.

Professor PIERPONT.

Both the analytic and synthetic methods will be used to develop the fundamental properties of points, lines, planes, conics, and quadric surfaces and the linear transformation.

***C 6** *Machine Designing.* 8 hrs., to count as 4 hrs.

Professor C. B. RICHARDS.

Course C 6 is a continuation of the work in course B 5 and is open only to a limited number of those who have taken that course.

THE PHYSICAL SCIENCES

XIII. PHYSICS

A 1 *Elementary Physics.* 3 hrs.

Professor DANA and Assistant Professor KREIDER.

A general course covering the mechanics of solids, liquids and gases, heat, magnetism, electricity, sound and light ; conducted by recitations and lectures, fully illustrated by apparatus and experiments.

*B 1 *Physics.* 4 hrs., to count as 2 hrs.

Professor A. W. WRIGHT.

A laboratory course in experimental Physics. Theory of instruments and methods of precise measurement. Practical exercises in the Sloane Physical Laboratory.

*C 1 *Physics* [after B 1]. 3 hrs., to count as 2 hrs.

Professor A. W. WRIGHT.

A laboratory course in experimental Physics, in continuation of B 1, and of more advanced character. Experimental investigations of physical problems, with discussion of the mathematical methods for their solution and reduction. Laboratory practice.

For a course in Mathematical Physics see Mathematics C 3.

XIV. CHEMISTRY

SUGGESTIONS AS TO CHOICE

The first course, Inorganic Chemistry (A 1), is intended to meet the needs of those students who desire a general knowledge of the facts and methods of chemistry, and is a necessary preparation for the higher courses. Qualitative Analysis (B 1) and Organic Chemistry (B 2) should be taken by those preparing to study medicine, as well as by all who are to take later advanced courses in chemis-

try. These higher courses are for those who wish to teach chemistry, to fit themselves for the study of applied chemistry, to enter the technical schools with advanced standing, or who for any reason desire extended training in chemistry.

For the laboratory courses a fixed charge is made (to cover the expenditure for chemicals, gas, water, etc.), in addition to the cost of apparatus broken or not returned in serviceable condition. For each of the courses A 1, B 1, B 2, C 1, the fixed charge is \$20.00; for courses B 3, C 3 and C 5 the fixed charge is \$10.00; for the lecture courses C 2 and C 4 no charge is made. The charge for breakage should not exceed in the average \$5.00 for each laboratory course.

A 1 *Inorganic Chemistry, Experimental and Descriptive.*

6 hrs., to count as 3 hrs.

Professor GOOCH, Assistant Professor BROWNING, Dr. PHELPS and Dr. VAN NAME.

Lectures, laboratory work and class-room exercises. An introduction to elementary chemical theory, the use of symbols and equations, and the study of the elements and their compounds.

B 1 *Qualitative Analysis.*

5 hrs., to count as 3 hrs.

Assistant Professor BROWNING.

Laboratory practice in the ordinary processes of qualitative analysis, with lectures.

B 2 *Organic Chemistry.*

5 hrs., to count as 3 hrs.

Professor GOOCH and Dr. PHELPS.

An introduction to the study of the compounds of carbon. Lectures, written exercises, and laboratory work.

***B 3** *Inorganic Preparations.*

2 hrs., to count as 1 hr.

Assistant Professor BROWNING.

A short course, mainly laboratory work, covering typical methods for the preparation of inorganic salts.

- *C 1 *Quantitative Analysis* [with or after B 1].
6 hrs., to count as 3 hrs.

Professor GOOCH.

Lectures with laboratory practice in the use of the simpler methods of gravimetric and volumetric quantitative analysis.

- *C 2 *Chemical Theory*. 1 hr.

Professor GOOCH.

This course is devoted to the historical development of the general principles and theories of chemistry.

- *C 3 *The Rare Elements*. 2 hrs., to count as 1 hr.

Assistant Professor BROWNING.

Lectures with laboratory work covering the principal reactions of the elements not included in the general course. The methods in use for the qualitative determinations of these elements are carefully studied.

- *C 4 *The Carbon Compounds—Descriptive and Theoretical*
[after B 2]. 3 hrs.

Dr. PHELPS.

A course of lectures treating systematically the more important compounds of carbon and the theories concerning them.

- *C 5 *Physical Chemistry*. 5 hrs., to count as 3 hrs.

Dr. VAN NAME.

Lectures on the modern theories of physical chemistry including electro-chemistry, and laboratory practice in typical physico-chemical measurements.

THE NATURAL SCIENCES

XV. GEOLOGY

SUGGESTIONS AS TO CHOICE

For those who wish to gain a general knowledge of the facts and methods of Geology and Palaeontology :

In Junior or Senior year : General Geology (A 3).

For those who intend to become teachers of Geology, or to become members of state or national surveys, or who for any reason may desire extended training in Geology :

In Freshman and Sophomore years : Chemistry (A 1, B 1), Physics (A 1), Mathematics (A 1, B 1), Geology (A 1, A 2).

In Junior year : Geology (A 3, A 4), Mineralogy (B 4), Surveying (Mathematics, B 8).

In Senior year : Structural Geology (C 4), Physiography (C 6), Field Geology (C 7).

A 1 *Physical and Commercial Geography.*

[Sophomores only.] 3 hrs.

Professor GREGORY and Assistant Professor KELLER.

Maps and map-making ; the physical features of the land ; ocean ; climate ; the natural distributions of flora, fauna, minerals, etc. ; the condition of human life as affected by natural environment.

Text-books and Laboratory Work.

A 2 *Meteorology.*

1 hr.

Mr. TARR.

A study of the atmospheric factors which produce climate.

Laboratory work will be conducted at the office of the United States Weather Bureau and will include the study of instruments, the making of weather maps, and methods of forecasting the weather.

A 3 *General Geology.* [When preceded by Chemistry

A 1, Physics A 1, or Geology A 1, this course will count as B grade in Geology.]

2 hrs.

Professor GREGORY and Assistant Professor BARRELL.

A course of lectures on the general principles of the science of geology. The structural features of the earth ; the forces by which its present condition has been attained ; the past history of the earth including the evolution of living forms. Optional excursions.

*A 4 *Geology, with field and laboratory work.* 2 hrs., to count as
1 hr.

Professors GREGORY and BARRELL, and Dr. ROBINSON.

This course is designed to supplement the exercises of course A 3, General Geology, by the addition of field and laboratory work to average two hours per week.

*B 3 *Mineralogy and Crystallography.* 4 hrs., to count as 2 hrs.

Professor DANA.

Practical study of mineral species by means of blowpipe analysis and other methods ; also, mathematical study of the forms of crystals. [Open to students who have studied or are taking Chemistry.]

*B 4 *Mineralogy and Crystallography.* 6 hrs., to count as 3 hrs.

Professor DANA.

This course includes the exercises of B 3, and in addition laboratory work will be assigned to average two hours per week.

B 5 *Organic Evolution.* 2 hrs.

An elementary lecture course on evolution, supplemented by text-book use of Darwin's *Origin of Species*, upon which examinations will be held.

B 6 *Geological Biology.* [Seniors.] 2 hrs.

In this course historical geology will be studied from the biological point of view. Organisms will be the chief objects of study, and their nature, succession, relations to environment, ancestry, and time, and the principles of organic evolution in their geological relations, will be examined.

- *C 1** *Historical Geology* [after A 4]. [Seniors.] 4 hrs.,
to count as 2 hrs.
-

Special study of geological formations and faunas, and of the principles of classification and correlation. The work will chiefly consist of the laboratory study of collections, reading of geological literature and preparation of scientific papers.

- *C 3** *Structural Geology.* 2 hrs.

Assistant Professor BARRELL.

An advanced course of lectures upon such subjects as weathering, sedimentation, metamorphism, and mountain building. The course includes the study of geological literature and excursions are occasionally substituted for lectures.

- *C 4** *Structural Geology.* 3 hrs.

Assistant Professor BARRELL.

This course will include the exercises of *C 3, and in addition a larger amount of field work and the reading of geological literature in foreign languages will be required.

- *C 5** *Physiography* [after A 3 or A 4]. 2 hrs.

Professor GREGORY.

A study of the origin, development and classification of land forms followed by a study of the physiography of the United States. The exercises will include lectures, field excursions, the reading of topographic maps and of geologic literature.

- *C 6** *Physiography.* 3 hrs.

Professor GREGORY.

This course will include the exercises of course *C 5 Physiography, and in addition a field problem will be assigned which must be satisfactorily completed, and a written report made upon it.

- *C 7 *Field Geology* [after A 4]. Two afternoons weekly,
to count as 3 hrs.

Dr. ROBINSON.

The course will consist of field work upon selected areas in the vicinity of New Haven, supplemented by lectures and laboratory exercises upon the construction and use of topographic and geologic maps. [Hours to be arranged upon consultation.]

Note. Attention is called to the course in Surveying (Mathematics, p. 122) which will be required of those who undertake advanced work in Geology.

XVI. BIOLOGY

PHYSIOLOGY, GENERAL BIOLOGY, PHYSIOLOGICAL CHEMISTRY

A 1 *Physiology*. [Sophomores and Juniors.] 1 hr.

Professor CHITTENDEN.

This course is designed to give familiarity with the structure and functions of the body as part of a general education, and at the same time as a preparation for more advanced biological work.

B 1 *General Biology* [with or after Physiology A 1].
[Juniors and Seniors.] 3 hrs.

Professor S. I. SMITH and Assistant Professor COE.

Laboratory work combined with lectures and demonstrations on the structure and functions of animals and plants, with special reference to the morphology, histology, embryology, and evolution of vertebrate animals.

*C 1 *Physiological Chemistry* [after Chemistry A 1 and
Physiology A 1]. [Seniors.] 3 hrs.

Professor CHITTENDEN.

This course must be preceded by Chemistry A 1 and by Physiology A 1. It is also desirable that the course in General Biology B 1 should either precede or be taken with the present course.

A study of the general principles of Physiological and Biological Chemistry, especial emphasis being laid on the study of the

chemistry of the cell, of the connective, contractile, and nervous tissues, of the chemical processes of salivary, gastric, and pancreatic digestions, etc.

Biology as a general culture study.

The courses of studies above described admit of the selection of a given line of biological work without compelling the student to follow work of an allied nature. The course in physiology, for example, is intended especially for Sophomores and Juniors, who may desire to gain some knowledge of physiology, without any intention of pursuing later the study of medicine. The scope of the course is broad, and it can be well taken as an independent study without reference to other biological topics, if so desired.

- The course in General Biology is especially adapted to the needs of those students who desire some knowledge of Biology as a part of their general culture, or as a preparation for other lines of biological work, without necessarily having reference to the study of medicine later. The course in Elementary Botany may be taken with advantage in connection with this course of general biological study.

Biology as a preparation for the study of Medicine.

The courses of instruction detailed above, together with course Chemistry A 1, constitute a connected and continuous line of study extending through the Sophomore, Junior and Senior years, especially adapted for students who intend to enter later upon the study of medicine.

All students expecting to take this connected course in Biology as a preparation for medicine are advised to pursue, likewise, courses in organic chemistry, qualitative analysis, and laboratory physics. They should also have a reading knowledge of German and French. The successful accomplishment of such a course of connected studies as is here suggested will secure admission to medical schools of the highest standing.

HUMAN ANATOMY, HISTOLOGY, AND EMBRYOLOGY

The following courses are intended primarily for students who intend to enter upon the study of medicine later.

C 2 *Human Anatomy.* [Seniors.] 5 hrs.

Professor FERRIS.

This is the first year's work of the medical course. The instruction is given by recitations and work in the anatomical laboratory.

C 3 *Human Histology and Embryology.* [Seniors.] 3 hrs.

Professor FERRIS.

This course consists of recitations and laboratory work in both histology and embryology. All the tissues and principal organs are studied.

The required work of the first year in the Medical School of this University is all comprised in the following named courses:—

Physics A 1; Chemistry A 1 (Inorganic), B 1 (Qualitative Analysis), B 2 (Organic); General Biology B 1; Physiology A 1; Physiological Chemistry C 1; Human Anatomy C 2; Histology and Embryology C 3.

Students completing these courses and registering in the Medical School at the beginning of their Senior year will receive credit for one year's work.

BOTANY

A 1 *Elementary Botany.* [When preceded by Physiology A 1, or Chemistry A 1, this and the following course will count as B and C grades respectively in Botany.] 4 hrs., to count as 2 hrs.

Assistant Professor EVANS.

An elementary course in the botany of flowering plants. Laboratory work and informal lectures. The plant and its various organs are studied with respect to their form, structure, and functions.

B 1 *Morphology of Plants.*

[Seniors.] 4 hrs.

to count as 2 hrs.

Assistant Professor EVANS.

Laboratory work and informal lectures. Beginning with the simplest forms, the various groups of plants are taken up in suitable types, and their structure and development are studied and compared.

(3) PHILOSOPHY, HISTORY AND THE SOCIAL SCIENCES

XVII. PHILOSOPHY

Courses in this department are offered in Mental Science—Psychology, Logic and the Principles of Science, Ethics, Aesthetics, and Pedagogics; and in Philosophy—Introduction to Philosophy, History of Philosophy, Metaphysics, Epistemology, Philosophy of Religion, and Philosophical Criticism. The courses are as follows:

A.		B.		C.	
1 Psychology,	2 hrs.	1 Hist. of Philos. (Mod.),	2 hrs.	1 Metaphysics,	2 hrs.
2 Logic,	1 hr.	2 Introd. to Philosophy,	2 hrs.	2 Kant Seminary,	2 hrs.
3 Ethics,	1 hr.	3 Comparative Religion,	1 hr.	3 Introd. to Theology,	1 hr.
4 Hist. of Philos. (Anc.),	2 hrs.	4 Epistemology,	1 hr.	4 Modern Philosophy,	3 hrs.
5 Psychology,	2 hrs.	5 Exper. Psych. (Lab.),	3 hrs.	5 Philosophical System,	2 hrs.
6 A Study of Religion,	2 hrs.	6 Discussions in Philos.,	2 hrs.	6 Genetic Psychology,	1 hr.
7 Philosophy of Mind,	2 hrs.	7 Aesthetics,	1 hr.	7 Psychol. (Exp. Prob.),	3 hrs.
Mod. Polit. Philos.,	1 hr.	8 Exper. Pedagogy,	1 hr.	8 Philosophy of Lotze,	2 hrs.
9 Plato's Dialogues,	1 hr.	9 History of Education,	2 hrs.	9 Philos. of Education,	2 hrs.
10 Philos. Writ. of Cicero,	1 hr.				

The primary aim of courses A 1, A 2, and A 3 is to give an elementary, yet systematic, introduction to Mental Science. These courses may properly be taken by all who desire to understand the rational and moral nature of the human soul.

The primary aim of courses B 1 and B 2 is to introduce the student in an elementary, yet systematic, way to the problems and conceptions of general Philosophy. One or both of these courses may properly be taken by all who desire any acquaintance with Philosophy as a means of culture.

One of the elementary courses A 1 or A 4, preferably A 1, in connection with either course A 2 or course A 3, is a prerequisite to all courses of B grade in this department (course B 3 excepted); one at least of these courses should, therefore, be taken in Sophomore year, if the

student desires to have open to him the courses of B grade in Junior year, and must be so taken by students who expect to take courses of C grade in this department. One of the courses B 1 or B 2 is a prerequisite to all courses of C grade in philosophy (course C 3 excepted); and as such must be taken in Junior year.

A 1 *Psychology, Experimental and Analytical.* 2 hrs.

Assistant Professor JUDD and Dr. McALLISTER.

An introductory course in general psychology, with illustrative experiments. The topics treated are: the physiological conditions of mental life; sensations, feelings, and activities; perception, and the higher forms of thought, emotion and volition.

A 2 *Logic and the Principles of Science.* 1 hr.

Professor DUNCAN.

The elements of logic, deductive and inductive, with especial attention to the nature of reasoning, the conditions of proof, and the principles of science.

A 3 *Ethics, Practical and Theoretical.* 1 hr.

Professor SNEATH.

An outline study of the ethics of individual life, of the family, of society, and of the state. During the latter part of the course the theoretical basis of ethics will be considered, together with a brief history of the principal schools of ethical thought.

A 4 *History of Metaphysics (Ancient).* 2 hrs.

Professor DUNCAN.

An introductory study of the history of thought regarding the ultimate problems of Knowledge (agnosticism, etc.) and of Being (metaphysics of the soul, of nature, of God) from the early Greeks down to the opening of the Modern Period; with cursory reading, *in English*, of selected specimens of the philosophical literature of the periods studied.

[A 5 *Psychology*. [Juniors and Seniors.] 2 hrs.
Professor LADD.

A course of lectures, with required reading, in which the different functions, the laws, and the development of the mental life will be discussed.

Omitted in 1904-1905.]

A 6 *A Study of Religion*. [Juniors and Seniors.] 2 hrs.
Professor LADD.

In a course of lectures the principal facts of man's religious life and development will be presented from the historical and psychological points of view. The principal characteristics of the lower forms of religion—and of the great world-religions, Buddhism, Judaism, Islam, and Christianity, will be described with some detail.

A 7 *Philosophy of Mind*. [Juniors and Seniors.] 2 hrs.
Professor LADD.

In a course of lectures, with required reading and discussion by the class, the following topics will be considered: the nature and reality of the mind, the doctrine of mental faculties, the origin and development of mental life, the relations of body and mind as viewed by the different theories of materialism, idealism, dualism, etc., and the destiny of mind.

[A 8 *Modern Political Philosophy*. [Juniors and Seniors.]
1 hr.
Professor SNEATH.

A study of the development of reflective thought in modern philosophy on the questions of the origin, nature, functions, forms, and ends of civil government.

Omitted in 1904-1905.]

A 9 *Plato's Dialogues*. [Juniors and Seniors.] 1 hr.
Dr. W. J. TAYLOR.

The more important Dialogues will be studied in translation. The influence of Plato and Socrates on Greek philosophy and on subsequent thought and literature will be considered.

A 10 *The Philosophical Writings of Cicero.* [Juniors and Seniors.] 1 hr.

Dr. HESS.

A study, in the light of modern reflection on the same subjects, of Graeco-Roman eclectic thought on the problems of philosophy as contained in the philosophical writings of Cicero.

B 1 *History of Metaphysics (Modern)* [after A 1 or A 4]. 2 hrs.

Professor DUNCAN.

A study of reflective thought regarding the ultimate problems of Knowledge (agnosticism, etc.) and of Being (metaphysics of the soul, of nature, of God) from Descartes to the present time; with cursory reading of philosophical masterpieces from Descartes to Kant.

B 2 *Introduction to Philosophy* [after A 1 or A 4]. 2 hrs.

Professor SNEATH.

This course of lectures, with required readings, is designed to acquaint the student with the nature, problems, schools, and literature of Philosophy.

[B 3 *Comparative Religion.* 1 hr.

Professor HOPKINS.

These lectures treat of the underlying principles of religion. The first part deals with the general principles of religious evolution. The second part will be devoted to the study of special religions.

Omitted in 1904-1905.]

[B 4 *Foundations of Knowledge* [after A 1 or A 4]. 1 hr.

Professor DUNCAN.

A study of the nature, limits, and grounds for the validity of our knowledge of reality—the soul, the world of things, and God.

Omitted in 1904-1905.]

B 5 *Experimental Psychology (Laboratory Course)* [after
A 1]. 3 hrs.

Assistant Professor JUDD and Dr. McALLISTER.

A course of typical psychological experiments. Members of the class perform such experiments and prepare elaborate reports. A general meeting of the class is held weekly for the discussion of reports.

B 6 *Popular Discussions in Philosophy* [after A 1 or A 4].
2 hrs.

Dr. HESS.

A course in philosophical criticism. It is intended to deepen interest in the problems of philosophy, and to vindicate sound psychology and theistic philosophy.

[**B 7** *Aesthetics* [after A 1 or A 4]. 1 hr.]

The object of this course is to review the history of thought on the subject of the beautiful ; to give a philosophical account of the foundations upon which the arts rest ; and to study scientific art-theory in its relation to general philosophical system.

Omitted in 1904-1905.]

B 8 *Experimental Pedagogy.* 1 hr.

Dr. McALLISTER.

A course of lectures and assigned readings on the results of experimental methods as applied to educational questions.

B 9 *History of Education.* 2 hrs.

Dr. W. J. TAYLOR.

Lectures, readings, and reports ; including a study of educational institutions and theories, of the relation of past experience to modern problems, and of education as a phase of social evolution.

***C 1** *Systematic Metaphysics* [after B 1 or B 2]. 2 hrs.

Professor LADD.

The principal metaphysical conceptions—such as Space, Time, Causation, Relation, etc.—will be discussed ; and the attempt

will be made to unite them in a theory of reality. The work will be research, to be done by the class and presented before them for discussion.

- *C 2 *Kant Seminary* [after B 1 or B 2]. 2 hrs.
Professor LADD.

A study of the principles of conduct and of art upon the basis of Kant's ethical and aesthetical writings. Each exercise will, in general, consist of an expository and critical lecture to be followed by a paper and discussion by the class.

- *C 3 *Introduction to Theology*. [Seniors.] 1 hr.
Professor STEVENS.

A study of the principal philosophical and historical presuppositions of Christian theology.

Open only to those who take Professor Bacon's courses in *Christological Epistles* and *New Testament Encyclopædia*, p. 102.

- *C 4 *Modern Philosophy* [with or after B 2]. 3 hrs.
Professor DUNCAN.

Two hours of this course are coincident with course B 1; the third hour is devoted to research work under the direction of the instructor.

- *C 5 *Philosophical System* [with or after B 1]. 3 hrs.
Professor SNEATH.

Two hours of exercises and lectures in this course are coincident with those of B 2. Those taking it will be assigned in addition an increased amount of collateral reading, and will be required to prepare a thesis of a constructive character, on an assigned topic.

- [*C 6 *Genetic Psychology* [after B 5]. 1 hr.
Assistant Professor JUDD.

A course of readings and lectures dealing with the facts and principles of mental development.

Omitted in 1904-1905.]

*C 7 *Psychology (Experimental Problems)* [after B 5].

3 hrs.

Assistant Professor JUDD.

An advanced course in experimental psychology consisting of lectures and research.

*C 8 *The Philosophy of Lotze* [after B 1 or B 2]. 2 hrs.

Dr. HESS.

An exposition and criticism of the philosophy of Lotze as contained in his *Microcosmus*, which deals with the main problems of philosophy.

*C 9 *Philosophical Foundations of Education*. 1 hr.

Dr. W. J. TAYLOR.

Modern scientific and philosophical concepts will be examined in order to determine their bearings upon education. Among such will be evolution, the applications of psychology, and the influence of ethical ideals.

XVIII. HISTORY

A 1 *European History*. 3 hrs.

Assistant Professor RICHARDSON, Dr. FORD, Mr. DURFEE.

Introductory to later courses. A general survey of European History from the fourth to the end of the nineteenth century.

For Seniors and Juniors this course counts two hours.

The following courses, except B 1, B 2 and B 3, will presuppose such a general knowledge of European history as would be acquired by successfully completing course A 1. Students who have not passed course A 1 must secure the permission of the instructor to take courses of B grade. Students who expect to do their work of C grade in history should take course A 1 in Freshman or Sophomore year.

B 1 *Ancient Oriental Nations from the earliest times.* 2 hrs.

Assistant Professor WILLIAMS.

A comprehensive survey of the beginnings of civilization and its development in the nations of antiquity, including Babylonia, Assyria, Egypt, Phoenicia, and Persia, constituting an introduction to the general study of history.

[B 2 *Outline Survey of Ancient History.* 1 hr.

Professor PERRIN.

Lectures, based on manual-study, outlining and emphasizing such general features of ancient history as are most valuable for the intelligent prosecution of mediæval history. Oriental history is presented only as background and source for Greek and Roman history.

Omitted in 1904-1905.]

[B 3 *Outline Survey of Ancient History.* 2 hrs.

Professor PERRIN.

The same as B 2 except that private readings will be assigned, and special examinations will be held on these readings.

Omitted in 1904-1905.]

[B 4 *History of Greece to the Roman Conquest.* 2 hrs.

Professor PERRIN.

A detailed and systematic study of the political, intellectual, and artistic history of the ancient Hellenes, with suitable illustrations from their literature and monuments.

Omitted 1904-1905.]

[B 5 *Mediæval History, first half.* 2 hrs.

Professor G. B. ADAMS.

From the beginning of the fourth to the tenth century.

B 6 *Mediæval History, second half.* 2 hrs.

Professor G. B. ADAMS.

From the beginning of the tenth to the middle of the fifteenth century.

The development of civilization will be kept constantly in view throughout, and such institutions of both church and state as exerted an influence upon later times will receive especial attention.

Both courses omitted in 1904-1905.]

B 7 *Mediæval Asia and the Mohammedan Conquest.* 2 hrs.

Assistant Professor WILLIAMS.

History of western Asia from Alexander to the fall of Constantinople, supplementary to the history of the Roman Empire and of mediæval Europe, embracing the earlier development of Christianity and the spread of Islam.

B 8 *English Political History* [after A 1 only].

[Sophomores and Juniors.] 2 hrs.

Professor ADAMS.

From the Saxon conquest to the nineteenth century. The history of institutions will not be studied, but pains will be taken to make clear the political conditions which influenced the growth of the constitution.

B 10 *Modern European History to 1789.*

2 hrs.

Assistant Professor RICHARDSON.

Considers such characteristic features of modern history as combined to produce the Europe of the French Revolution and are essential to the understanding of the history of the nineteenth century.

B 12 *History of Prussia in the Nineteenth Century.*

1 hr.

Dr. FORD.

This course will cover the history of Prussia since Frederic the Great with special reference to the formation of modern Prussia, the unification of Germany and the work of Prince Bismarck, parties and problems in Prussia to-day. Lectures and readings.

B 13 *Modern Asiatic History.* 2 hrs.**Assistant Professor WILLIAMS.**

Text-books on India, China and Japan during their intercourse with European nations ; lectures on their earlier history and culture, and on the Russian advance into Asia. Study of present political and missionary status.

B 15 *American History [1492-1763].* 2 hrs.**Professor BOURNE.**

This course will include the discoveries, the Spanish and French Colonial systems in outline, the political and social development of the English Colonies, and the conquest of new France.

B 16 *American History [1765-1860].* 2 hrs.**Professor BOURNE.**

The causes of the Revolution, the formation of the Union, the rise of parties, the development of democracy, the influence of expansion and of slavery on politics will be discussed.

B 17 *American Constitutional History and Government.***[Juniors.] 2 hrs.****Professor C. H. SMITH.**

A historical study of the Federal Constitution, mainly of the articles relating to the general government in its three departments, legislative, executive, and judicial.

C 1 *The Renaissance and Reformation.***1 hr.****Assistant Professor RICHARDSON.**

In this course the Renaissance and Reformation will be treated primarily as intellectual movements and considered in their relations to the intellectual development of Europe.

C 3 *History of Europe since 1789* [counted as a C grade if taken after any one of the following courses :

B 5, B 6, B 8, B 10, B 12; otherwise the course counts as a B grade].

[Seniors.] 2 hrs.**Professor WHEELER.**

Mainly political ; introductory to European politics of our day.

- C 5 *English Constitutional History to the present time*
[counted as a C grade when taken after B 5,
B 6, B 8, B 10, B 17; otherwise as a B course].

[Seniors.] 2 hrs.

Professor ADAMS.

The purpose of the course will be to show how the Anglo-Saxon system of self-government arose, and how the chief features of the present English constitution took form. The more important constitutional documents will be discussed in detail.

- C 6 *European Colonies in Asia and Africa.* [Seniors.] 2 hrs.

Assistant Professor WILLIAMS.

Chiefly a research course in colonization in modern times. History of the acquisition and examination of the administration of existing colonies. Assigned subjects discussed in brief theses.

- C 7 *History of Spanish America chiefly in the Nineteenth Century* [counted as a C grade after B 15, B 16, B 17; otherwise as a B grade]. 1 hr.

Professor BOURNE.

A survey of the condition of the Spanish colonies, and of the struggle for independence, followed by an outline study of the political and social development of several representative states.

- C 8 *United States since 1860* [counted as a C grade if taken after B 16 or B 17; otherwise the course counts as a B grade]. [Seniors.] 2 hrs.

Professor C. H. SMITH.

First half (to Feb. 15). A study of the Civil War, in continuation of American History, B 16.

Second half (after Feb. 15). Mainly constitutional, in continuation of American History, B 17.

- *C 9 *United States since 1860.* [Seniors.] 2 hrs.

Professor C. H. SMITH.

This course is intended primarily for graduate students. A few Seniors may be permitted to take it on application to the instructor. In its scope, it is essentially the same as C 8.

C 10 *American Civil War* [after B 15, B 16, or B 17].

[Seniors.] 1 hr.

Professor C. H. SMITH.

This course is the first half of C 8, coming at the same hours, twice a week, until February 15, and is counted as a one-hour course for the year.

XIX. THE SOCIAL SCIENCES

SUGGESTIONS AS TO CHOICE OF COURSES

Those who plan to devote special attention to the Social Sciences, and to take C courses in this department, are advised to take :

In Sophomore year : A 1, *Elementary Economics*, as introductory to the B and C courses in Economics ; also *Calculus* [Mathematics, B 1, p. 121] as introductory to some of the B and C courses in Economics and Statistics under Professor Fisher and Dr. Norton.

In Junior year : A 30, *The Science of Society*, or A 10, *Elementary Statistics*, or both, as introductory to those fields ; also one or more B courses in economics.

In Senior year : one or more C courses together with one or more B courses.

Those who have only a general interest in the Social Sciences, and do not plan to take C courses in this department, are advised to take :

In Sophomore or Junior year : A 1, *Elementary Economics*.

In Junior or Senior year : one or more of the other A or B courses, according to which covers the desired field, or bears on the special line of study pursued.

The attention of those who intend to take the Science of Society in Junior and Senior years (see A 30 and B 31) is called to the course A 20 in Physical and Commercial Geography, which is recommended on account of the knowledge to be obtained in regard to environmental influences on society.

A 1 *Elementary Economics.*

[Sophomores, Juniors and Seniors.] 3 hrs.

Professors EMERY, IRVING FISHER, DAY, Dr. NORTON, and
Dr. FAIRCHILD.

Lectures, one hour a week, by Professor Emery. Two hours a week will be occupied by a quiz-exercise in small sections under Professors Fisher and Emery, Assistant Professor Day, Dr. Norton and Dr. Fairchild.

Text-books : Hadley's *Economics*, and Gide's *Political Economy*.

A 10 *Elementary Statistics.* [Juniors and Seniors.] 2 hrs.

Professor BAILEY.

The principal statistics of sociology and economics are studied, and the manner of conducting a statistical investigation is explained.

A 20 *Physical and Commercial Geography.*

[Sophomores.] 3 hrs.

Professor GREGORY and Assistant Professor KELLER.

Maps and map-making ; the physical features of the land ; climate, winds, ocean currents ; the natural distributions of flora, fauna, minerals, etc. ; the condition of human life as affected by natural environment.

A 30 *The Science of Society.*

[Juniors.] 2 hrs.

Assistant Professor KELLER.

Introductory to course B 31. Text-books on anthropology and ethnography ; lectures explanatory of text-books and on the doctrine of evolution, with its application to man and human society.

A 40 *Elementary Law.* [Juniors and Seniors.] 3 hrs.

Professor WURTS and Mr. CORBIN.

First half-year : Instruction by Professor Wurts on the basis of Robinson, *Elementary Law*, and Blackstone, *Commentaries*.

Second half-year : Instruction by Mr. Corbin on the basis of Clark, *On Contracts*, and the *Yale Cases on Contracts*.

A 44 *Constitutional Law.* [Seniors.] 2 hrs.

Professor S. E. BALDWIN.

Cooley's *Principles of Constitutional Law* with lectures and the *Yale Cases on Constitutional Law*.

A 45 *International Law.* [Seniors.] 2 hrs.

Professor WOOLSEY.

Lectures with written tests, upon the rules governing the intercourse of states, also upon certain topics in American diplomacy. Designed to explain international politics, to train in intelligent citizenship, to assist legal practice.

B 2 *Financial History of the United States* [after A 1].
[Juniors and Seniors.] 2 hrs.

Professor SCHWAB.

The financial history of the United States, especially the history of American currency, banking institutions and practices, and the government revenue system.

Text-books: Dunbar, *on Banking*; Dewey, *Financial History of the U. S.* or *The Report of the Monetary Commission* (1898).

B 3 *Industrial History of the United States* [after A 1].
[Juniors and Seniors.] 2 hrs.

Professor SCHWAB.

The origin and growth of American industries; the modern organization of industries; the problems of corporate management of industries.

Text-books: Taussig, *Tariff History*; Wells, *Recent Economic Changes*; Jenks, *The Trust Problem*, and others.

B 11 *American Social Conditions* [after A 1 or A 10]. 2 hrs.
Assistant Professor W. B. BAILEY.

A critical study of the principal phenomena that are characteristic of American society.

- B 21 *Economics and Politics, Modern Europe* [after A 1 or History A 1]. 2 hrs.

Assistant Professor DAY.

The economic organization of the different states of Europe, in its relation to domestic and foreign politics ; introductory to questions of the day.

- B 25 *Theory of Capital* [after A 1]. 2 hrs.

Professor IRVING FISHER.

This course is chiefly devoted to the theory of interest, with a brief historical criticism of the leading theories on the subject.

- B 31 *The Science of Society* (counted as a B grade if taken after A 1 or A 30 ; otherwise the course counts as an A grade). [Seniors.] 2 hrs.

Professor SUMNER.

Course A 30 is necessary to give a fund of information on which the principles set forth in this course are based. In 1905-6 this course will be open only to those who have taken A 30.

- B 35 *Colonization (Economic and Social)* [with or after A 1 or A 30]. [Juniors and Seniors.] 2 hrs.

Assistant Professor KELLER.

Colonization from the standpoint of the Science of Society ; in ancient, mediæval and modern times. Emigration, acclimatization, colonial trade, frontier society, contact of races, etc.

- B 41 *Contracts* [with A 40]. [Seniors.] 3 hrs.

Professors CORBIN and ZAHM.

Text-book : "Special Topics," and Hopkins' *Cases on Contracts*. Lectures by Professor Corbin on agency and by Professor Zahm on partnership.

- B 42 *Torts* [with A 40]. [Seniors.] 2 hrs.

Professor WATROUS.

The course will consist of recitations from Cooley on *Torts* with the study of cases, illustrative of the text, from Chase's *Cases on Torts*, second edition.

[B 43 *Evidence* [after A 40]. [Seniors.] 2 hrs.

Professor WURTS and Mr. HUNT.

Text-books: Reynolds, *On the Theory of Evidence*, and McKelvey, *On Evidence*.

This course will be offered in 1905-6.]

[For a course in Roman Law, see Latin, B 11, p. 93.]

Additional courses in Law open to Seniors.

The following courses in the Yale Law School are open to Seniors. They will be counted toward the attainment of the degree of LL.B. (as the above courses A 40, A 44, A 45, B 41, B 42 and B 43 do). They will, however, not be counted for the attainment of the degree of B.A.

a. *Public Wrongs*, Saturday, 10.30 or 11.30 (after or with A 40, B 41 and B 42). Professor G. E. Beers and Mr. Webb.

b. *The Study of Cases*, Monday, 9.30 (after or with A 40, B 41 and B 42). Mr. Hunt.

c. *Pleading at Common Law*, Monday, 10.30 (after or with A 40, B 41, B 42, and the above courses a and b).

B 50 *Insurance* [after A 1]. [Juniors and Seniors.] 2 hrs.

Mr. C. E. JOHNSTON.

The history and statistics of the development of insurance; the theory of chances and its application to the calculation of insurance premiums; varieties of policies; the economic influence and importance of insurance.

Text-books: The lectures delivered in this course during 1903-4; T. E. Young, *Insurance*.

C 4 *Railroads* [with B 2, B 3 or B 11]. [Seniors.] 2 hrs.

Professors SCHWAB, BAILEY and Dr. NORTON.

The technical problem of railroad construction and equipment; the financial and industrial problems of the modern system of transportation, railroad consolidation and taxation, the Interstate Commerce Commission and its relation to pooling and discrimination; individual research; analysis of railroad reports and statistics.

C 5 *Finance* [with B 2]. [Seniors.] 2 hrs.

Professor SCHWAB.

The mechanism and problems of the modern financial world ; the money and exchange market ; investment securities ; the finances of the industrial combinations.

C 6 *Corporation Economics*. [Seniors.] 1 hr.

Dr. NORTON.

The anatomy of a corporation ; its incorporation, organization, advantages and disadvantages treated from the economic standpoint ; the "commutation" theory of interest, and the statistical basis for capitalization of net earnings.

*C 12 *Labor Problems* [with any B course].
[Seniors.] 1 hr.

Assistant Professor W. B. BAILEY.

The conflicts between labor and capital and the methods employed to obtain industrial peace.

C 13 *Trade Statistics*. [Seniors.] 2 hrs.

Dr. NORTON.

The condition of trade viewed from the standpoint of (i) the international movement, (ii) bank clearings, (iii) the money supply, (iv) the outlook for the harvests, and (v) earnings of corporations. Crop forecasts, visible supplies, etc.

*C 14 *Interpolation*. 2 hrs.

Dr. NORTON.

Methods of fitting curves to series of statistics in analysis of relations among variables ; also the theory of correlation of two or more variables. Practice in handling statistical data.

*C 15 *Statistical Theory of the Evolution of Man* [with any B course]. [Seniors.] 2 hrs.

Dr. NORTON.

Statistical methods for handling the statistical data of variation, heredity, homotyposis, panmixia, regression, selection and prepotency. The methods of Pearson, Yule, and Galton will be discussed.

- *C 22** *Economics and Politics, Historical* [after A 1 or History A 1]. 2 hrs.

Assistant Professor DAY.

Development of the economic organization in Europe in its relation to the political organization; for students of economics and of history. Lectures, and assigned work in secondary and original sources.

- *C 23** *Economic History of the United States.* [Seniors.] 2 hrs.

Professor CALLENDER.

Lectures upon the economic evolution of this country; the origin and development of the different features of our economic organization; the part which economic influences have played in molding American society and especially in determining the course of American politics.

- *C 24** *Commerce and Commercial Policy in the Nineteenth Century* [with any B course]. [Seniors.] 2 hrs.

Professor EMERY.

A study of the growth of international trade and the changes in commercial policy, especially in the leading countries of Europe. A reading knowledge of French or German is important.

- *C 26** *History of Economics, Part I* [with a B course]. 2 hrs.

Professor EMERY.

The history of economic ideas, with special reference to economic policy, from the Middle Ages to the middle of the nineteenth century. Lectures and readings in contemporary authors.

- [*C 27** *History of Economics, Part II* [with a B course]. 2 hrs.

Professor EMERY.

A continuation of the above course (C 26), given in alternate years. It deals with the later reactions from the Classical School, protectionism, socialism and the historical school.

Omitted in 1904-1905.]

- *C 33 *Culture-History* [after A 1 or A 30, and with B 31].
2 hrs.

Assistant Professor KELLER.

A critical reading of Lippert's *Kulturgeschichte* (2 vols., Stuttgart, 1887) (a) for its subject matter, and (b) as a basis for informal instruction in research, scientific method, etc.

- *C 35 *Colonization (Economic and Social)* [with or after
A 1 or A 30 and with any B course]. 3 hrs.

Assistant Professor KELLER.

The same course as B 35, to count as three hours, for students who do additional work in the way of special reports involving the use of some foreign language.

- *C 38 *Ethnology* [after A 30 and with B 31]. 2 hrs.

Assistant Professor KELLER.

A study of existing nations and tribes ; their manners, customs, etc. ; analysis and comparison of national traits. Based primarily upon comprehensive reading in ethnography.

See also the course in Debating, English B 6 [p. 114].

XX. THE FINE ARTS

- A 1 *Drawing* (pen and pencil). [Juniors.] 2 hrs.

Professor NIEMEYER.

This course is designed to teach the fundamental principles of Art as understood by the artist, and is also adapted to those students who are interested in Art only as part of a liberal education.

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- B 1 *Architecture* [after A 1]. 2 hrs.

Professor NIEMEYER.

This course teaches, by means of lectures and graphic representation, the Classic Styles of Architecture, and also the history and significance of Decoration.

B 2 *Painting* [after A 1]. [Seniors.] Twice a week.
Professor WEIR.

Studies in Water-Color Painting from still-life and the living model, with lectures on the Grammar of Art and studies in composition and sketching from nature.

B 3 *Modeling* [after A 1]. [Seniors.] Twice a week.
Professor WEIR.

Modeling from the antique and the living figure, supplemented by lectures given in course B 2.

XXI. MUSIC

A 1 *Harmony*. 2 hrs.
Mr. DAVID STANLEY SMITH.

The study of chords, progressions, modulation, and non-harmonic notes. The work consists of exercises in figured-bass, the harmonization of melodies, and harmonic analysis.

Text-book : Chadwick's *Harmony*.

B 2 *Counterpoint* [after A 1]. 2 hrs.
Mr. DAVID STANLEY SMITH.

Practice in strict Counterpoint, both simple and double, harmonization of chorales, composition of short pieces in a freer style, and analysis of simple polyphonic forms.

Text-book : Bridge's *Counterpoint*.

C 1 *Strict Composition* [after A 1 and B 2]. 2 hrs.
Professor PARKER.

The writing of canons, fugues, and polyphonic choral movements. Each student is required to submit at the close of the year a complete four-voiced fugue.

A 3 *History of Music*. 1 hr.
Professor PARKER.

Lectures on the development of music from its earliest stages with biographical sketches of composers and practical illustrations at the piano.

Text-book : Parry's *The Evolution of the Art of Music*.

***C₂** *Instrumentation* [after A₁ and B₂]. 2 hrs.

MR. WILLIAM EDWIN HAESCHE.

Lectures on the characteristics of all the instruments of the modern orchestra, with illustrations of their use by great composers. Exercises in practical orchestration, and playing from orchestral scores.

C₃ Free Composition [after A₁, B₂ and C₁]. 2 hrs.

Professor PARKER.

The writing of free vocal and instrumental pieces in the smaller forms, and later in the sonata form, either for single instruments or combinations of instruments.

No text-book is used.

A 5 *Practical Music.* 1 hr.

Professor SANFORD, Assistant Professor JEPSON, Assistant Professor TROOSTWYK, Assistant Professor KNIGHT, Mr. RABOLD, and Mr. SCHULTZ.

Instruction is given in Piano-, Organ-, Violin-, and Violoncello-playing and in singing. Fees range from \$50.00 to \$100.00 for the college year.

No student is admitted to this course who has not been admitted to one of the theoretical courses. Private piano or organ practice may be obtained for a small fee.

SPECIAL HONORS

Special Honors are conferred at the end of Senior year in the following groups of studies :

Classical Languages and Literature.
Semitic Languages and Literature.
Romance Languages and Literature.
Germanic Languages and Literature.
English Language and Literature.
Mathematics.
Physics and Chemistry.
Natural Sciences.
Philosophy.
History.
Social Sciences.
Music.

A candidate for special honors must pursue with distinction courses aggregating nine hours of work of B and C grades, of which at least three hours must be of C grade, and present a meritorious thesis embodying the results of individual research. The thesis must be type-written and must be presented before June 1st.

Courses in Sanskrit may be counted as a part of the work in the Classical Languages.

Courses in Old and Middle English may be counted as part of the work in the Germanic Languages.

In Music, honors will be given for distinguished work on the completion of all the courses offered to undergraduates.

A candidate for honors must consult the instructor under whose direction he proposes to write his thesis before December 1st of Senior year.

A candidate's whole work in the B and C courses of any group, though it may be more than the minimum requirement for an honor, will be reckoned as a competition for the honor.

PUBLIC WORSHIP

PRAYERS are attended in the Battell Chapel, with reading of the Scriptures and singing, every week-day at 8.10 A. M., at which service the attendance of the students is required.

PUBLIC WORSHIP is held in the Chapel on Sundays, at which all Academical students are required to attend, except such as have special permission to attend the worship of the denominations to which their parents belong. Such permission can be obtained on presenting to the Dean or Division Officer a written request therefor from the parent or guardian.

EXPENSES

The BILLS FOR TUITION and other charges are made out and delivered to the students, or (*request to that effect being made*) mailed to the parent or guardian, three times a year, viz: at the beginning of each term or half-term, at which time they are payable at the Bursar's Office, in Lampson Hall. If not paid before the end of the month following the month in which they are issued, the student will not be permitted to attend recitations until his bill shall have been paid, and in the allotment of college rooms will not be permitted to retain or choose a room. Drafts on New York, Boston, and Philadelphia are received at par.

The annual charges for tuition are one hundred and fifty-five dollars. Of this amount fifty-five dollars are payable at the beginning of the first term, and fifty dollars at the beginning, and again at the middle, of the second term. An additional charge of eighteen dollars is made in the last bill of the Senior year to cover expenses of graduation.

ABSENCE ON LEAVE—A student who is absent from College on account of sickness, or for any other cause, and retains his place in his class, pays full tuition during such absence; such payment is required before the student can be admitted to examination.

BOARD is obtained at prices varying from three and a half to eight dollars a week. The average price is under five dollars.

Rooms—There are in the College buildings over four hundred and seventy rooms occupied by students, at prices varying, according to location, from one dollar to ten dollars per week, payable each term or half-term in advance. These rooms are not furnished, and the rates charged do not include heat (except in Welch Hall) or light.

Farnam Hall (built in 1869-70) is named in commemoration of Henry Farnam, Esq., of New Haven, who bore the chief part of the expense of its erection; Durfee Hall (built in 1870-71) commemorates in like manner the generosity of Bradford M. C. Durfee, Esq., of Fall River, Mass.; Lawrance Hall (built in 1885-86) owes its name to a gift for this purpose from Mrs. Francis C. Lawrance, of New York City, in memory of her son, Thomas Garner Lawrance, of the class of 1884, who died during his Senior year in College; Welch Hall, completed in 1892, is the gift of Pierce N. Welch, Esq. (Yale College 1862), of New Haven, in memory of his father, the Hon. Harmanus M. Welch, of this city, who died in 1889; Vanderbilt Hall, first occupied in 1894, is the gift of Mr. and Mrs. Cornelius Vanderbilt, of New York City, in memory of their son, William Henry Vanderbilt, a member of the class of 1893, who died in 1892; White Hall, completed in 1894, was erected at the expense of Andrew J. White, M.D. (Yale 1846), of New York City; and Fayerweather Hall, completed in 1901, is named in honor of Mr. Daniel B. Fayerweather of New York City.

Students living out of College are not allowed to room in any hotel or apartment-house or in any building in which a family does not reside, except by special permission of the Faculty.

A few rooms in each building are reserved in May, for members of the Freshman class of the year following, and are assigned to applicants in order of application. Corre-

spondence about College rooms should be addressed to the Dean.

Members of the Junior, Sophomore, and Freshman classes, occupying any of the College rooms, may retain the same rooms for another academic year, by making application in writing to the locating officer, on or before Saturday, May 13, 1905. Rooms not reserved will then be offered to the classes in order: choices will be allotted to the Junior class on Monday, May 22, to the Sophomore class on Friday, May 26, and to the Freshman class on Monday June 5.

PRICES PER WEEK OF ROOMS IN COLLEGE FOR 1904-1905

When a room is occupied by two persons, each occupant will be charged with one-half the price named in this schedule. The prices given for Welch Hall include steam-heat.

\$0.75.—70 South Middle.

\$1.00.—84 South Middle; 359, 360, 361, 362, 363, 364, 365, 366 White; 417, 418, 419, 420 Berkeley.

\$1.25.—81, 82, 94, 95 South Middle; 409, 410, 411, 412, 416, 421 Berkeley.

\$1.50.—73, 74, 77, 78, 86, 87, 91 South Middle; 401, 402, 403, 404, 408 413 Berkeley.

\$1.75.—80, 83, 93, 96 South Middle; 400, 405 Berkeley.

\$2.00.—71, 72, 75, 76, 79, 85, 88, 89, 90, 92 South Middle; 133, 137, 141, 150, 155, 160, 167, 171, 175 Farnam; 385, 386, 387, 388, 393, 394, 395, 396 Berkeley; 527, 529, 591, 593 Pierson.

\$2.25.—384, 389, 392, 397 Berkeley.

\$2.50.—142, 143, 158, 159, 161, 162, 176, 177 Farnam; 243, 244, 250, 251, 260, 261, 270, 271, 275, 276, 281, 282 Lawrance; 524, 526, 528, 530, 532, 534, 575, 577, 587, 588, 589, 590, 592, 594, 595, 596, 597, 598 Pierson.

\$3.00.—130, 131, 134, 135, 138, 139, 140, 144, 145, 146, 147, 148, 149, 151, 152, 153, 154, 156, 157, 164, 165, 168, 169, 172, 173, 174 Farnam; 523, 525, 531, 533, 543, 545, 559, 561, 571, 572, 573, 574, 576, 578, 579, 580, 581, 582 Pierson.

\$3.50.—208, 215, 216, 223, 224, 231, 232, 239 Durfee; 415, 422 Berkeley.

\$4.00.—129, 132, 136, 163, 166, 170 Farnam; 407, 414 Berkeley; 451, 452, 453, 454 Fayerweather; 539, 540, 541, 542, 544, 546, 547, 548, 549, 550, 555, 556, 557, 558, 560, 562, 563, 564, 565, 566 Pierson.

- \$4.50.**—14, 18 Vanderbilt; 248, 249, 258, 259, 268, 269, 279, 280 Lawrance; 399, 406 Berkeley.
- \$5.00.**—22, 26, 40, 56 Vanderbilt; 202, 209, 210, 217, 218, 225, 226, 233 Durfee; 241, 242, 246, 247, 252, 253, 256, 257, 262, 263, 266, 267, 272, 273, 277, 278 Lawrance; 296, 311, 312, 327 Welch; 341, 342, 379, 380, 381, 382 White; 433, 434, 467, 468, 469, 470 Fayerweather; 521, 522, 585, 586, 599, 600 Pierson.
- \$5.50.**—44 Vanderbilt; 206, 213, 214, 221, 222, 229, 230, 237 Durfee; 295, 298 Welch; 338, 339, 355, 356, 357, 358, 375, 376, 377, 378 White; 383, 390, 391, 398 Berkeley; 430, 431, 447, 448, 449, 450, 463, 464, 465, 466 Fayerweather.
- \$6.00.**—48, 52 Vanderbilt; 204, 211, 212, 219, 220, 227, 228, 235 Durfee; 245, 254, 255, 264, 265, 274 Lawrance; 284, 297, 299, 300, 301, 302, 313, 314, 315, 328, 329, 330 Welch; 351, 352, 353, 354 White; 443, 444, 445, 446 Fayerweather; 535, 536, 538, 554, 569, 570, 583, 584 Pierson.
- \$6.25.**—283, 286 Welch.
- \$6.50.**—332, 333, 335, 336, 367, 368, 369, 370, 371, 372, 373, 374 White; 424, 425, 427, 428, 455, 456, 457, 458, 459, 460, 461, 462 Fayerweather.
- \$7.00.**—2, 3, 13, 15, 41, 43, 45, 58, 60 Vanderbilt; 201, 203, 205, 234, 236, 238 Durfee; 285, 288, 292, 303, 304, 307, 308, 316, 317, 318, 319, 323 Welch; 340, 343, 344, 345, 346, 347, 348, 349, 350 White; 432, 435, 436, 437, 438, 439, 440, 441, 442 Fayerweather; 537, 553 Pierson.
- \$7.50.**—287, 291, 294 Welch.
- \$7.75.**—290 Welch.
- \$8.00.**—1, 11, 12, 16, 25, 27, 29, 36, 42, 55, 57, 59, 67, 69 Vanderbilt; 289, 293, 305, 306, 309, 310, 322, 326 Welch; 337 White; 429 Fayerweather; 551, 552, 567, 568 Pierson.
- \$8.50.**—5, 8, 17, 19, 21, 23, 47, 49, 51, 53, 63, 66 Vanderbilt; 320, 324 Welch.
- \$9.00.**—10, 28, 34, 39, 54, 68 Vanderbilt; 321, 325 Welch; 331 White; 423 Fayerweather.
- \$10.00.**—4, 6, 7, 9, 20, 24, 30, 32, 35, 37, 38, 46, 50, 61, 62, 64, 65 Vanderbilt; 207, 240 Durfee; 334 White; 426 Fayerweather.
- \$12.00.**—31, 33 Vanderbilt.

The subjoined table gives near estimates of the ordinary annual expenses in College, omitting clothing, vacation charges, and sundries.

	Lowest	General Average	Very Liberal
Treasurer's bill, tuition,	\$155	\$155	\$155
Rent and care of half-room in College,	20	100	140
Board, 36 weeks,	125	175	250
Furniture, average of half-room for 4 years,	10	25	40
Fuel (steam-heat) and light, for half-room,	15	20	35
Washing,	15	25	40
Text-books and stationery,	10	25	40
Subscriptions (to Societies, Sports, Periodicals, etc.),		20	100
Total	\$350	\$545	\$800

BENEFICIARY AID

More than thirty thousand dollars is annually applied by the Corporation for the relief of students who need pecuniary aid. Of this sum about twenty thousand dollars is derived from permanent charitable funds, while the remainder is taken from the annual income of the College. This assistance is given in the form of Tuition Scholarships, as aid to the students intending to enter the ministry, and in Special Beneficiary Scholarships. Needy students are also employed as monitors, etc., and obtain text-books gratuitously from a loan library.

TUITION SCHOLARSHIPS

Tuition Scholarships are granted to approved undergraduates in the Academical Department upon the basis of need and of excellence in scholarship as follows: For the first term of Freshman year an abatement of tuition will be made at the rate of one hundred and fifteen dollars a year, from the full annual charge of one hundred and fifty-five dollars, to such students as shall be judged to be in need of such aid to enable them to pursue their college course. The fact and the degree of the need in each case will be determined by the information given by the applicant in filling out a form of application (which may be obtained from the Bureau of Self-Help) in which particular questions are asked as to the financial condition of himself and his family. So far as is practicable this information will be regarded as confidential.

After the first term of Freshman year no abatement will be allowed to any applicant whose grade in scholarship, in the preceding term or half-term, has fallen below 2.50 on the scale of 0-4.00. From all the applicants whose grade in the preceding term or half-term is 2.50 or above, a certain number of scholarships at the rate of one hundred and fifty-five dollars a year will be assigned, at the beginning of each term or half-term, to those who are found to be at once highest in scholarship and most in need (Group A); and an equal number of scholarships at the rate of seventy-five dollars a year to those judged to be lowest in scholarship or least in need (Group C); and to all the rest, scholarships at the rate of one hundred and fifteen dollars a year (Group B).

These abatements will be made proportionally from each one of the term-bills when due. Assistance will be withdrawn from students whose expenditures are not in accordance with the claim of limited means, or who are irregular in attendance, or who shall be found guilty of behavior reflecting upon their moral character or subversive of college discipline. Recipients of this aid who join College societies, fraternities, clubs or other associations connection with which involves the payment of fees, dues, or other expenses, must arrange with the Bursar of the College in sufficient season so that the amount of expense thus incurred may be deducted from the amount of the scholarship.

Those needing this aid should make application to the Bureau of Self-Help, in each year of the College course. A person applying for the first time is required to present evidence in writing that he is worthy to receive assistance and needs it, when he will receive a form of application which must be filled out and left at the Bureau of Self-Help on or before October fifteenth.

Tuition Scholarships are derived from the income of funds as follows :

The MORGAN FUND, bequeathed by the late Henry T. Morgan, of New York City, has been set apart by the Corporation, with the provision that the income shall be divided into scholarships (at present thirty-seven in number, yielding one hundred and fifteen dollars each), to be assigned by the Faculty for the benefit of indigent and deserving students.

The MARETT FUND, amounting to over one hundred and fifty-two thousand dollars, which was established by the will of Philip Marett, of New Haven, in 1869, and was received in 1889-97, has been appropriated for beneficiary scholarships, in aid of needy and deserving students.

The CHRISTMAN FUND, amounting to over twenty-two thousand dollars, bequeathed by Joseph A. Christman (Yale College 1857), of New York City, who died in 1888, is devoted to the support of poor and meritorious students.

The HARMER FOUNDATION OF SCHOLARSHIPS, the proceeds of a bequest in 1854 from Thomas Harmer Johns (Yale College 1818), of Canandaigua, N. Y., comprises five scholarships, each yielding at least one hundred dollars a year, to be given to deserving students of small means.

The LYON SCHOLARSHIP FUND, of forty-four hundred dollars, given in 1868-72 by Morris W. Lyon (Yale College 1846), of New York City, benefits four scholars, selected for their worth and need by the founder or the Faculty.

There is also a FUND, the income of which is used for scholarships, which has been constituted from repayments made to the treasury by former students who have received aid during the College course.

There are thirty-one other Scholarship Funds, most of them of one thousand dollars, the income of which may be given to such students as shall be selected by the founders or the Faculty. In this number are included Scholarships named in commemoration of William Allen, Charles Atwater, Mills Bordwell, William S. Charnley, Thomas H. and Luther Fuller, Sereno Gaylord, John C. Holley, Charles L. Ives, Elisha C. Jones, William A. Macy, John S. Mitchell, John M. Raymond, John Spaulding, and James M. Whiton.

AID TO STUDENTS INTENDING TO ENTER THE
CHRISTIAN MINISTRY

Those desiring this aid should apply to the Bureau of Self-Help on or before October fifteenth in each year of the College course. A person applying for the first time must present proper testimonials. The applicant is required to sign an agreement (attached to the application for a Tuition Scholarship) that, at the end of his college course, he will give his promissory note to the Bursar of Yale College for an amount equal to all the sums he shall have received on this special account (by which is meant all in excess of what he would have received had he held only a Tuition Scholarship) payable five years from the date of his graduation, if at that time he has not entered upon the work of the Christian ministry.

This aid is generally sufficient to meet the entire charge for tuition. It is derived from the income of funds, as follows:

The ELLSWORTH FUND, now about ninety-six thousand dollars, was received in 1858 from the estate of the Hon. Henry L. Ellsworth (Yale College 1810). The Corporation have directed that two-thirds of the income of this fund be annually applied to the aid of students in the Academical Department, in the words of the will "needing such assistance and having the settled and avowed purpose of entering the Gospel ministry."

The LANGDON FUND, of four thousand dollars, was bequeathed in 1835 by Solomon Langdon of Farmington, Connecticut, to be applied for the instruction of undergraduate students having "the purpose of devoting their lives to the Gospel ministry."

Also devoted to this purpose are the GRATUITY FUND of over fourteen thousand dollars, and funds named in commemoration of William E. Dodge, Rev. Joel Hawes, D.D., and Rev. Peter Parker, M.D.

SPECIAL BENEFICIARY SCHOLARSHIPS

Certain beneficiary scholarship funds for one reason or another have been kept distinct from the general Tuition Scholarship funds. They are as follows :

The LUCIUS HOTCHKISS FUND, of ten thousand dollars, the bequest of Lucius Hotchkiss, of New Haven, in 1881, comprises four scholarships, the income of which is given to indigent and deserving students.

The LEAVENWORTH SCHOLARSHIP FUND, now amounting to over seventeen thousand dollars, was established in 1882 by the Hon. Elias W. Leavenworth (Yale College 1824), of Syracuse, N. Y., with the primary object of defraying in part the expenses of the education of students of good character and promise, bearing the surname of Leavenworth.

The HOLMES SCHOLARSHIPS, one in each class in College, founded by Samuel Holmes, of Montclair, New Jersey, are filled upon the nomination of the Board of Agents of the Silas Bronson Library of Waterbury by students from the towns of Waterbury, Wolcott, Prospect, and Middlebury, Connecticut, who receive each the income of one thousand dollars *per annum*.

The income of the TEELE FUND, of one thousand dollars, given by the Rev. Albert K. Teele, D.D., of the class of 1842, is distributed by the President of the University, at his discretion, among needy and deserving undergraduates.

The income of the JAMES MARSHALL SCHOLARSHIP FUND, of two thousand dollars, is to be used to pay the tuition annually of some worthy student struggling for an education.

MONITORSHIPS, ETC.

There are also opportunities for students in need of aid to render service to the College as monitors, by singing in the Chapel choir, etc. ; in this way about fifteen hundred dollars is disbursed annually. Applications for monitorships should be made to the Registrar.

In general it may be said that the other means of self-help at the command of the students are sufficient to enable many of those who have spare time to provide for the larger part of their college expenses.

LOAN LIBRARY

By the liberality of William L. Andrews, Esq., of New York City, and as a memorial of his son, Loring W. Andrews, of the class of 1883, a well furnished library has been established, containing text-books and works of reference, to be loaned gratuitously to those students who have need to avoid the expense of purchasing books. Permission to use this library is obtained from the Bureau of Self-Help.

GRADUATE FELLOWSHIPS AND SCHOLARSHIPS

The DOUGLAS FELLOWSHIP, with an income of six hundred dollars a year, was founded in 1873, by Mrs. Samuel Miller of New Haven, and named in memory of her brothers, the Rev. Sutherland Douglas (Y. C. 1821) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate of this Department, pursuing non-professional studies in New Haven, is elected annually, but no person shall hold the fellowship for more than three years.

The SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861-1865, and in special remembrance of William Wheeler, of the class of 1855. The incumbent must be, at the time of his election, a graduate of this Department of not more than three years' standing. He shall pursue non-professional studies, and may hold the fellowship for a period not exceeding five years. In selecting the incumbent, the President and Professors are to give preference to one who has shown special proficiency in Greek; and for the further prosecution of Greek study, the Fellow

may spend a part or the whole of the time of his incumbency in Athens, in connection with the American School of Classical Studies, instead of in New Haven.

The SILLIMAN FELLOWSHIP, founded in memory of Professor Benjamin Silliman, Professor of Chemistry, Mineralogy, and Geology in Yale College from 1802 until his death in 1864, has an annual income of six hundred dollars, and is awarded to a graduate of this Department who has given evidence of proficiency and promise in some branch of physical science. The incumbent is elected annually, but no person shall hold the fellowship for more than three years.

The JOHN SLOANE FELLOWSHIP in Physics, established in 1889 by the gift of ten thousand dollars from John Sloane, Esq., of New York City, is awarded annually by the Faculty to a graduate of this Department who has shown marked proficiency in the study of Physics, and gives promise of success in the prosecution and application thereof. The incumbent shall reside in New Haven for at least thirty-six weeks in each academic year, pursuing a course of study in Physics and the related branches of science, and acting as an assistant in the Sloane Physical Laboratory; he may be re-elected, but shall not hold the fellowship for more than three consecutive years.

The SCOTT HURTT FELLOWSHIP, with a foundation of twelve thousand dollars, was established in June, 1893, by Mrs. Sarah I. Hurtt, of New York City, in memory of her son, Burgess Scott Hurtt, of the class of 1878, Yale College. The incumbent must be a graduate of the Academical Department, of not more than four years' standing at the time of his first appointment, and may hold the fellowship for three years by annual re-election. In addition to a good moral character, the person appointed must have maintained a satisfactory standing in scholarship and must purpose to pursue a scholastic, professional, or scientific career, in which he gives promise of success. He shall, if required by the President and Professors, reside in New

Haven for at least one year of his incumbency, during thirty-six weeks of the year, pursuing his studies there; but with this exception may have the privilege of prosecuting his studies at any foreign University, or at the American School of Classical Studies in Athens, or at the American School of Classical Studies in Rome.

The BERKELEY SCHOLARSHIP, founded in 1733 by the Rev. George Berkeley, Dean of Derry and afterwards Bishop of Cloyne, Ireland, and yielding about seventy dollars a year, is awarded to the student in each Senior class who passes the best examination (which must be a creditable one) in the Greek Testament (Pauline Epistles), the first book of Thucydides, the first six books of Homer's *Iliad*, Cicero's *Tusculan Questions*, Tacitus (except the *Annals*), and Horace; provided he remain in New Haven as a graduate, one, two, or three years.

The CLARK SCHOLARSHIP, being the income of a fund of two thousand dollars, given for this purpose by Mr. Sheldon Clark, of Oxford, Connecticut, is awarded in each Senior class to the applicant who has attained the highest rank in the studies of the course; provided he remain in New Haven for one year or two years immediately after graduation, pursuing a course of study (not professional) under the direction of the Faculty.

The BRISTED SCHOLARSHIP, founded in 1848 by Charles Astor Bristed (Yale College 1839), of New York City, and yielding over one hundred dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior class who passes the best examination in the classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until the end of the third year after graduation. This scholarship was awarded in 1903.

The FOOTE SCHOLARSHIPS, founded in 1873 by a bequest of Harry W. Foote (Yale College 1866), of New Haven, and yielding five hundred dollars a year, are awarded annually to graduates of this Department, selected by the

Corporation, who remain in New Haven for one or more years pursuing studies in the graduate courses of the Department of Philosophy and the Arts.

The LARNED SCHOLARSHIPS, three in number, each having a fund of seven thousand dollars, were founded in 1877 by the bequest of Mrs. Irene Larned, of New Haven, and were augmented in 1888 by the bequest of Mrs. Urania B. Humphrey, of Norfolk, Connecticut. One scholarship is awarded in each Senior class; the incumbent must reside in New Haven, pursuing a course of advanced study under the direction of the Faculty.

The ELLEN BATTELL ELDRIDGE SCHOLARSHIPS, two in number, each having the income of a fund of twelve thousand dollars, were established in 1894 by a bequest from Mrs. Azariah Eldridge, of Yarmouth, Massachusetts. The incumbents, who shall be graduates of this Department, selected by the President and Professors, must reside in New Haven, pursuing such a course of study as they may select and the Faculty approve. No scholar shall continue on the foundation for more than three years.

The MACY SCHOLARSHIP, being the income of a fund of ten thousand dollars, derived from a bequest of the Rev. William A. Macy (Yale College 1844), of Shanghai, China, who died in 1859, is awarded, whenever there may be a vacancy, to a recent graduate of distinguished scholarship, who may hold it for a term of three years. He shall reside in New Haven, pursuing a course of non-professional study, and shall at the close of each College year present a meritorious thesis in evidence of his work during the previous year.

The CUYLER FELLOWSHIP was established in 1900 by Thomas DeWitt Cuyler, Esq., of the class of 1874, Cornelius C. Cuyler, Esq., and Miss Eleanor de Graff Cuyler, in memory of their brother Theodore Cuyler, of the class of 1882. The income of a fund of ten thousand dollars is to be awarded each year to a graduate of the Academical

Department who is pursuing a course of study under the direction of the Faculty.

The JOHN ADDISON PORTER MEMORIAL FELLOWSHIP was established in 1901, by a gift of \$10,000 from Mrs. Josephine S. Porter, in memory of her husband, Professor John Addison Porter, of the class of 1842, and of her son, John Addison Porter, of the class of 1878. The incumbent shall be a graduate of the Academical Department or the Sheffield Scientific School of Yale University, selected for distinguished excellence and promise in the department of English. The fellowship may be held for three years, and the incumbent is allowed to pursue studies under the direction of the Professors in the Department of Philosophy and the Arts, "in the English language and literature and cognate subjects," either at New Haven or elsewhere.

UNDERGRADUATE SCHOLARSHIPS

The DEFOREST SCHOLARSHIPS were established in 1823 by David C. DeForest, of New Haven. By the terms of this gift, the fund for which became available in 1852, one thousand dollars are annually appropriated for "the education and support at Yale College, or the University which may grow out of it, of the male descendants of Mehitable Lockwood," the mother of the donor. In default of such descendants the same sum shall be applied to the education of others of the family of DeForest.

The WOOLSEY SCHOLARSHIPS, each having the income of a fund of one thousand dollars, the gift of President Woolsey, in 1846-48, are awarded in successive years, one to the student in each Freshman class who passes the best examination in Latin Composition (excellence in which is essential to success), in the Greek of the year, and in the solution of problems in the mathematical subjects required previous to Easter of Freshman year. The successful candidate receives the annuity during the four years of his college course, provided he main-

tains a good standing in character and scholarship, and in Sophomore or Junior year makes himself acquainted with the Differential and Integral Calculus. The student who stands second at this examination receives for one year the income of the HURLBUT SCHOLARSHIP FUND, of one thousand dollars (established by Henry A. Hurlbut of New York City, in 1858-59); and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP FUND, of the same amount, given by Charles M. Runk, Esq., of Allentown, Pennsylvania, in 1864.

The W. W. DEFOREST SCHOLARSHIP, being the income of a fund of two thousand dollars, bequeathed in 1867 by William Wheeler DeForest, of New York City, is awarded to a student in each Senior class who has attained distinction in the study of French while in college, provided he pursue for the year after graduation a further course of study in the modern languages, especially French, Spanish, Portuguese, or Italian, under the direction of the Faculty.

The SCOTT HURTT SCHOLARSHIP was established in 1889 in memory of Burgess Scott Hurtt, of the class of 1878, Yale College, by his classmates and friends. The income of a fund of five thousand dollars is assigned in June of each year to a member of the Sophomore class, who is selected by the Faculty on the ground of approved scholarship; one half of the income will be paid to the incumbent during his Junior year, and one half during his Senior year, provided he continues to be in need of this assistance.

The THOMAS GLASBY WATERMAN FUND, of forty thousand dollars, was received in 1890 from the estate of Thomas G. Waterman (Yale College 1886). The income is given to not more than three scholars, of manly character and limited means, who have distinguished themselves in their studies and give promise of achieving distinction in the line of work which they have chosen; the incumbents are elected annually by the Faculty from the Senior

or Junior class, or from graduates of the Department of not more than two years' standing.

The ALFRED BARNES PALMER SCHOLARSHIP FUND, of five thousand dollars, was given in 1892, by the Rev. Charles Ray Palmer, D.D., in memory of his son, Alfred Barnes Palmer, of the class of 1892, Yale College. The annual income is paid, during his college course, to a student in avowed need of beneficiary aid, of unexceptionable character, and of high rank in scholarship.

The DANIEL LORD, JUNIOR, MEMORIAL FUND, of five thousand dollars, was established in 1894, by Daniel Lord, Esq., of New York City, in memory of his son, Daniel Lord, Junior, of the class of 1892. The annual income is given to a deserving and needy undergraduate student in this Department—preferably a member of the Senior class—who shall be selected by the Faculty.

The LEARNED SCHOLARSHIPS, two in number, each having the income of a fund of two thousand dollars, established in 1895 by the Hon. William L. Learned, LL.D., of the class of 1841, Yale College, are awarded whenever there is a vacancy at the close of Freshman year to students who have been markedly successful in their studies. The incumbents receive the income of the fund through the last three years of the College course.

The JOHN J. COX SCHOLARSHIP, established in 1898 by the gift of two thousand dollars from Mrs. John J. Cox, of Peekskill, N. Y., in memory of her son, John J. Cox, of the class of 1891, is awarded yearly to some needy and worthy student of high character selected by the Faculty.

The ROBERT CALLENDER SCHOLARSHIP was established in 1901 by a gift of six thousand dollars from W. R. Callender of the class of 1894 and J. A. Callender of the class of 1902, in memory of their brother, Robert Callender, of the class of 1898. The income is to be awarded annually by the Faculty to some needy undergraduate student in the College.

The JOHN BENNETTO SCHOLARSHIP FUND, of five thousand dollars, was established in 1902 by the class of 1887,

in memory of their classmate, John Bennetto. One half of the income is to be given each year to a student in Yale College who shall have two more years of study before graduation, and who may hold the scholarship during two years. The recipient must be a person of sound and strong character, marked ability, and high standing in the college world and in the estimation of his classmates. In judging of a candidate's qualifications, very high scholarship shall not be regarded as indispensable. Should any recipient of the income of this Fund return to the College the sum received, or any part thereof, the sum shall be added to the Fund.

The MAHLON LONG SCHOLARSHIP, established in 1902 by Rev. George Wells Ely, of Columbia, Penn., and yielding four hundred dollars a year, is to be open to undergraduate members either of the Academical or Scientific Departments, and is intended to be given yearly during the entire course to the same student, though the appointment or reappointment will be made each year.

The WALTER JOSEPH AUSTRIAN SCHOLARSHIP FUND was established in 1904, by a gift of six thousand dollars from Mr. Joseph Austrian of Chicago, and Mr. Henry Block of New York City, in memory of Walter Joseph Austrian of the class of 1907, who lost his life in the disaster at the Iroquois Theater on December 30, 1903. The income is to be awarded in June, whenever there is a vacancy, to a student in the Freshman class, who shall hold the Scholarship, if worthy, until the date of his graduation. In the selection of a candidate, stress is to be laid primarily upon qualities of manly character and influence, and secondarily upon ability and promise of distinction.

By a gift from Mrs. Edward Perkins Carter of Cleveland, Ohio, and Mr. Henry Stoddard Sherman of the class of 1902, a SCHOLARSHIP yielding four hundred dollars per year for three years has been presented to the College as a memorial to their brother, George Benedict Sherman of the class of 1907, who died in October, 1903.

The recipient of the Scholarship is to be a member of the class of 1907. The Scholarship is to be given to a person of limited means, who shows an earnest endeavor in his studies, and in the general welfare of his class and College, and who gives promise of a useful career after graduation.

The BENJAMIN F. BARGE SCHOLARSHIP FUND of five thousand dollars for the assistance of deserving students, was founded in 1903. The income is to be used for the assistance of students of any class or department who shall have shown by their industry and attainments that they are worthy of aid in meeting the expenses of the college course.

PREMIUMS

The DEFOREST PRIZE, founded in 1823 by David C. DeForest, of New Haven, and consisting of a gold medal, of the value of one hundred dollars, is awarded "to that scholar of the Senior class who shall write and pronounce an English Oration in the best manner," the President and Professors being judges.

TOWNSEND PREMIUMS, five in number, of twelve dollars each, founded in 1843 by the gift of Isaac H. Townsend (Yale College 1822), of New Haven, are awarded in each Senior class for the best specimens of English Composition ; all compositions receiving premiums must be read in public.

The following are the subjects for the year 1905 :

1. The Norse Chiefs in Iceland.
2. Thoreau's *Walden*.
3. Reginald Pole.
4. The Future of Mexico.
5. Prometheus.
6. The American High School.
7. Sir Thomas Wyatt.
8. Russia as an Asiatic Power.
9. Provence.
10. Moravian Missions to the North American Indians.
11. Collectivism in Belgium.

12. Forestry as a Career.
13. Reform Schools and Children's Courts.
14. The Bourbons.
15. The Santa Fé Trail.
16. The Valois Romances of Dumas.

Within the limits of reasonable implication these subjects may be divided or adapted. Manuscripts in competition are due at 15 White Hall, on Saturday, June 3, at noon. They should be written for effective oral delivery in about fifteen minutes. Attached to each essay should be a sealed envelope containing the writer's name.

The DEFOREST MATHEMATICAL PRIZES were established by the late Dr. John DeForest (Yale College 1826), and were augmented by his son, the late E. L. DeForest (Yale College 1854), of Watertown, Connecticut. A first prize of one hundred dollars, and three second prizes of fifty dollars each are offered to the Senior class for worthy solutions of problems in pure and applied Mathematics.

WINTHROP PRIZES, the income of a fund of five thousand dollars given in 1871 by Buchanan Winthrop, Esq. (Yale College 1862), of New York City, are annually offered to the Junior class "for the most thorough acquaintance with the Greek and Latin poets," particular attention being paid to elegance of scholarship and appreciation of the spirit of the poetry, as shown at an examination in May. The first prize is two hundred dollars, and the second prize is the balance of the income for the year.

The subjects for examination for the class of 1906 are as follows: Latin—Lucretius, *Book V*; Vergil, *Second Georgic*. Greek—Pindar, *Pythian Odes*; Aeschylus, *Seven against Thebes*; Sophocles, *Antigone*.

The HENRY JAMES TENEYCK PRIZES, the income of a fund of twenty-six hundred dollars, established in 1888 by the Kingsley Trust Association in memory of Henry James TenEyck (Yale College 1879), are awarded to the successful competitors at the Junior Exhibition, in the second term of each year. The following are the subjects for the year 1905:

1. Mazzini.
2. Tenement-House Reform.
3. Franklin as a Typical American.
4. *Pilgrim's Progress*.
5. 1904 in Colorado.
6. Tom Jones and Pendennis.
7. The Creoles.
8. John Muir.
9. Sam Houston.
10. Socrates and Aristophanes.
11. The Claim of Foreign Missions on College Graduates.
12. Bret Harte.
13. Alsace.
14. The Period of the Judges in the Development of Israel.

Within the limits of reasonable implication these subjects may be divided or adapted. Manuscripts in competition are due at 15 White Hall on Wednesday, March 15, at noon. They should be written for effective oral delivery in about twelve minutes. Attached to each manuscript should be a sealed envelope containing the writer's name.

The C. WYLLYS BETTS PRIZE, established in 1890 by the Phelps Association, being the income of a fund of one thousand dollars given by L. F. H. Betts, Esq. (Yale College 1891), in memory of his uncle, the late C. Wyllys Betts, Esq., of New York City, a graduate of Yale College in the class of 1867, is offered to the Sophomore class for excellence in English Composition. The prize is awarded annually to that member of the class who shall have exhibited the most meritorious work in the required compositions of the year and in a special essay on a prescribed subject.

The subject prescribed for the class of 1907 is *The Letters of Gray, Walpole, and Cowper*.

Essays in competition are due at 15 White Hall on Saturday, May 20, 1905, at noon.

The McLAUGHLIN MEMORIAL FUND, consisting of one thousand dollars, founded in 1893 as a memorial of Edward Tompkins McLaughlin (Yale College 1883), late Professor of Rhetoric and Belles Lettres, is devoted to

the encouragement of English Composition in the Freshman class. From the income of this fund a first and second prize, in books, are offered during the current year.

The WINSTON TROWBRIDGE TOWNSEND PRIZES, given by Judge William K. Townsend, in memory of his son, a member of the class of 1901, are annually awarded for excellence in English Composition in the Freshman class.

The McLAUGHLIN PRIZES and the WINSTON TROWBRIDGE TOWNSEND PRIZES will be awarded in 1905 for the best essays on any of the following topics :

1. The *Morte d'Arthur* of Sir Thomas Malory.
2. Raleigh.
3. The *Aeneid* as a Poem of Adventure.
4. Odysseus among the Phaeacians.

Essays in competition are due at 15 White Hall on Saturday, April 15, at noon. Attached to each essay should be a sealed envelope containing the writer's name.

The JOHN HUBBARD CURTIS PRIZE, being the income of a fund of two thousand five hundred dollars given in 1900 by Mrs. Virginia H. Curtis, in memory of her son, John Hubbard Curtis, of the class of 1887, is to be awarded each year to that student in the Academical Department who shows the highest excellence in literary or rhetorical work upon assigned subjects. For the year 1904-1905 competitors may select any one of the following topics :

- I. A dialogue on the model of Landor's *Imaginary Conversations*.
 1. Quèen Elizabeth and the Earl of Essex.
 2. Dr. Donne and William Drummond of Hawthornden.
 3. The Earl of Strafford and Lord Falkland.
 4. Bishop Berkeley and Sir Robert Walpole.
 5. Addison and Boileau.
 6. Samuel Johnson and Thomas Gray.
 7. Coleridge and Washington Allston.
- II. A critical comparison of the *Amphitryo* of Plautus, Molière and Dryden ; or of the *Don Carlos* of Otway and Schiller ; or of the treatment of the Prometheus myth by Aeschylus, Shelley and Wm. V. Moody.

- III. A story told in letters.
- IV. An essay : The Poets of Yale.
- V. Bermuda : a Poem.
- VI. A Character Sketch.
 - 1. The Ward Politician.
 - 2. The Country Lawyer.
 - 3. The Apartment House Janitor.
 - 4. The Local Antiquary.
 - 5. The Commercial Traveller.
 - 6. The Hired Man.

Pieces must be handed to Professor Beers or Professor Phelps on or before May 1, 1905.

COLLEGE PREMIUMS are given each year in the Sophomore class for Declamation.

The THACHER MEMORIAL FUND, of three thousand dollars, founded in 1892, by gifts from the class of 1842, and named in honor of their former instructor, Professor Thomas A. Thacher, is devoted to the encouragement of the practice of extemporaneous debate. One hundred and fifty dollars of the income will be offered in prizes for this object during the current year.

The JOHN ADDISON PORTER PRIZE IN AMERICAN HISTORY, founded by Amy Betts Porter in memory of her husband, the late John Addison Porter, of the class of 1878, and consisting of the income of two thousand dollars, will be awarded for the year 1904-1905 for the best original Essay by a member of the Senior or Junior class of the Academical Department on one of the following subjects :

- I. The Liberation of Cuba.
- II. The French Canadians in New England.
- III. Mormonism in the United States before 1870.
- IV. Causes and Development of the Texas Revolution.
- V. The Secession of Georgia.
- VI. The Public Life of Horace Greeley.

The essays should be prefixed by a classified bibliography of the authorities consulted, and precise references in foot-notes to these authorities should be given for all important statements made in the text.

Each essay must be typewritten, signed by a fictitious name, and handed in under cover accompanied by a sealed envelope containing the assumed name and the real name of the writer. The essays must be deposited with the Secretary of the University not later than February 25, 1905.

SCOTT PRIZES for excellence in German and in French are offered to the Junior class; these are of the value of thirty dollars each, and are given in books. The prizes were founded by the bequest of Henry W. Scott (Yale College 1863), of Philadelphia, who died in 1871.

In the year 1904-1905, and thereafter until further notice, the Scott Prize in German will be awarded to that member of the Junior class who shall pass the best examination (to be held during the latter half of the second term) in the following dramas: Lessing's *Nathan der Weise*; Goethe's *Egmont*, *Iphigenie auf Tauris*; Schiller's *Wallenstein-Trilogie*; H. von Kleist's *Käthchen von Heilbronn*, *Prinz Friedrich von Homburg*. Students may at any time apply to Professor Palmer for information in detail.

In the year 1904-1905, the Scott Prize in French will be awarded to that member of the Junior class who shall pass the best examination (to be held during the latter half of the second term) in the following dramas: Corneille's *Horace*, *Le Cid*; Racine's *Andromaque*, *Athalie*; Molière's *Le Misanthrope*, *Tartuffe*; Beaumarchais' *Le Barbier de Séville*; V. Hugo's *Ruy Blas*. Students may at any time apply to Professor Sanderson for information in detail.

The LUCIUS F. ROBINSON LATIN PRIZES, from the income of a fund of five thousand dollars given in 1887 by the daughters of the late Lucius F. Robinson (Yale College 1843), of Hartford, will be awarded the present year to students showing special proficiency in Latin:—one series of prizes (of fifty, thirty, and twenty dollars, respectively) being open to members of the Senior and Junior classes who have taken two hours per week in Latin electives;

and a second series, of the same amounts, to members of the Sophomore class who have elected Latin.

The awards will be based on the regular class-room work in Latin for the entire year, and on a special written examination, to be held early in June, 1905, on translation at sight, and on *The Civil War* of Caesar.

BERKELEY PREMIUMS, in books, for excellence in Latin Composition are offered to the Freshman class near the end of each College year, from the surplus income of the Berkeley Scholarship Fund.

The BENJAMIN F. BARGE MATHEMATICAL PRIZES, amounting to two hundred dollars, are given annually from funds provided by Benjamin F. Barge, Esq., of the class of 1857. The prizes are awarded in both Freshman and Sophomore classes and consist in each class of a first prize of fifty dollars, a second of thirty dollars, and a third of twenty dollars. The prizes are awarded, in general, for the solution of original problems.

The HUGH CHAMBERLAIN GREEK PRIZE, being the income of one thousand dollars given for this purpose, in 1886, by the Hon. Daniel H. Chamberlain (Yale College 1862), is awarded annually to that member of the Freshman class who has passed the best examination in the Greek required for admission to College. Candidates for this prize will be required to pass the whole examination in Greek in June of the year of their entrance into College, even though they may have been accepted already in some or all of the Greek subjects in a previous year.

The SAMUEL HENRY GALPIN LATIN PRIZE, being the income of one thousand dollars given for this purpose, in 1901, by Samuel Arthur Galpin, LL.B., in memory of his father, Samuel Henry Galpin, of the class of 1835, is to be awarded annually to that member of the Freshman class who passes the best examination in the Latin required for admission to the College. Candidates for this prize must pass the whole examination in Latin in June of the year

of their entrance into College, even though they may have passed on some or all of the Latin subjects in a previous year.

DEGREES

The degree of BACHELOR OF ARTS is conferred by the Corporation on those persons who have completed the course of academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Saturday before Commencement.

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HENRY ANDREWS BUMSTEAD, PH.D., *Assistant Professor of Physics*

FREDERICK LINCOLN CHASE, PH.D., *Instructor in Astronomy*

CHARLES CAMERON CLARKE, JR., B.A., *Assistant Professor of French*

WESLEY ROSWELL COE, PH.D., *Assistant Professor of Comparative Anatomy*

ALEXANDER WILLIAM EVANS, M.D., PH.D., *Assistant Professor of Botany*

HARRY WARD FOOTE, PH.D., *Assistant Professor in Physical Chemistry*

HENRY SOLON GRAVES, M.A., *Professor of Forestry*

ANGELO HEILPRIN, *Lecturer in Physical Geography*

LOUIS DOREMUS HUNTOON, E.M., *Assistant Professor of Mining and Metallurgy*

ALBERT GALLOWAY KELLER, PH.D., *Instructor in Anthropology*

EDWIN HOYT LOCKWOOD, M.E., PH.D., *Assistant Professor of Mechanical Engineering*

WILLIAM CROSBY MARSHALL, M.E., C.E., *Assistant Professor of Drawing and Descriptive Geometry*

JOHN HENRY NIEMEYER, M.A., *Instructor in Free Hand Drawing*

HERBERT EUGENE SMITH, M.D., *Lecturer on Water Analysis*

CAPTAIN SAMUEL AARON SMOKE, U.S.A., *Professor of Military Science and Tactics*

LEONARD MERRILL TARR, M.A., *Lecturer on Meteorology*

JAMES WILLIAM TOUMEY, M.S., *Professor of Forestry*

JOHN CLAYTON TRACY, C.E., *Assistant Professor of Structural Engineering*

PERCY TALBOT WALDEN, PH.D., *Assistant Professor of Chemistry*

HENRY LORD WHEELER, PH.D., *Assistant Professor of Organic Chemistry*

INSTRUCTORS

HENRY SEIDEL CANBY, PH.B., *Instructor in English*

WILLIAM JAMES COMSTOCK, PH.B., *Instructor in Organic Chemistry*

DAVID RAYMOND CURTISS, PH.D., *Instructor in Mathematics*

ARTHUR LYMAN DEAN, PH.D., *Instructor in Plant Physiology*

WILLIAM EBENEZER FORD, JR., PH.D., *Instructor in Mineralogy*

CLYDE CHEW GLASCOCK, PH.D., *Instructor in German*

WILLIAM ANTHONY GRANVILLE, PH.D., *Instructor in Mathematics*

GEORGE SAMUEL JAMIESON, PH.B., *Instructor in Chemistry*

TREAT BALDWIN JOHNSON, PH.B., *Instructor in Chemistry*
HENRY BARRETT LEARNED, M.A., *Instructor in History*
OLIVER CLARENCE LESTER, PH.D., *Instructor in Physics*
FREDERICK BLISS LUQUIENS, B.A., *Instructor in French and Spanish*
MAX MASON, PH.D., *Instructor in Mathematics*
GEORGE HENRY NETTLETON, PH.D., *Instructor in English*
LEO FREDERICK RETTGER, PH.D., *Instructor in Bacteriology*
CHAUNCEY BREWSTER RICE, PH.D., *Instructor in Physics*
JOHN PIERREPONT RICE, M.A., *Instructor in French*
FREDERICK OSCAR ROBBINS, B.A., *Instructor in French*
ELI MORGAN TALCOTT RYDER, C.E., *Instructor in Civil Engineering*
WILLIAM KENT SHEPARD, PH.D., *Instructor in Mechanics*
EDWY LYCURGUS TAYLOR, JR., C.E., *Instructor in Mechanical Drawing
and Civil Engineering*
EDWARD THORSTENBERG, PH.B., *Instructor in German*
FRANK PELL UNDERHILL, PH.D., *Instructor in Physiological Chemistry*
ARTHUR GUSTAVUS WARD, M.A., *Instructor in German*
LYNDE PHELPS WHEELER, PH.D., *Instructor in Physics*
ANDREW LINCOLN WINTON, PH.B., *Instructor in Proximate Organic
Analysis*

ASSISTANTS

GEORGE STANLEIGH ARNOLD, B.A., *Assistant in English*
HAROLD CORNELIUS BRADLEY, B.A., *Assistant in Physiological Chem-
istry*
WALTER MINOR BRADLEY, PH.B., *Assistant in Mineralogy*
HOWARD STANLEY BRISTOL, PH.B., *Assistant in Chemistry*
WILLIAM BRONSON CRAMER, PH.B., *Assistant in Chemistry*
SAMUEL WILLIAM DUDLEY, M.E., *Assistant in Descriptive Geometry*
MILTON STAHL GARVER, PH.D., *Assistant in French*
FREDERICK WILLIAM HEYL, PH.B., *Laboratory Assistant in Chemistry*
CARL OSCAR JOHNS, PH.B., M.A., *Laboratory Assistant in Chemistry*
BEVERLY WAUGH KUNKEL, PH.B., *Assistant in Biology*
GEORGE HENRY LANGZETTEL, B.F.A., *Assistant in Drawing*
WILLIAM ALBERT LILLEY, JR., PH.B., *Assistant in Mechanical Drawing*

GEORGE BLAKEMAN LOVELL, M.A., *Assistant in German*

GEORGE ALBERT MENGE, PH.B., *Assistant in Chemistry*

ARTHUR DORLAND MILES, PH.B., *Laboratory Assistant in Mineralogy*

LUTHER CORNELIUS WEEKS, PH.B., *Assistant in Mathematics*

GEORGE MERWIN BEERS, *Clerk in the Treasurer's Office*

MARY M. MAYER, *Private Secretary to the Director and Assistant Librarian*

CHARLES CLARK BROWN, PH.B., *Clerk in the Registrar's Office*

RICHARD CARY MORSE, JR., *Secretary of the Young Men's Christian Association of the Sheffield Scientific School*

GUSTAVE F. PFEIFER, *Janitor of Sheffield Hall*

WALTER J. HUBBARD, *Janitor of North Sheffield Hall*

WILLIAM COULTER, }
JAMES J. DEEGAN, } *Janitors of Sheffield Biological Laboratory*

PATRICK T. O'DONNELL, *Janitor of Winchester Hall*

GODFREY N. ROTHMAN, *Janitor of Sheffield Chemical Laboratory*

JAMES J. LAMB, *Janitor of Byers Hall*

CHARLES S. GRISWOLD, *Janitor of Kirtland Hall*

WILLIAM A. NILES, }
H. HOWARD WEST, } *Janitors of Vanderbilt-Scientific*

LEON J. BARRETT, *Machinist*

JOHN MAUTTE, *Engineer*

OBJECTS

THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require special proficiency in these departments of learning. Instruction is also given in French, German, Spanish, English, History, Anthropology, Economics, and Political Science. The Sheffield Scientific School is one of the departments of the University, like the law, medical, theological, and art schools, having its separate funds, buildings, teachers, and regulations, but governed by the Corporation of Yale University, which appoints the professors and confers the degrees. It is, in part, analogous to the academical department, or college, and, in part, to the professional schools.

The instruction is intended for two classes of students:—

I.—Graduates of this and other universities or colleges, and other persons qualified for advanced or special scientific study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in less part linguistic and literary, for higher scientific studies, or for various other occupations to which such training is suited.

HISTORY AND ORGANIZATION

The School was commenced in 1847. In 1860, a convenient building and a considerable endowment were given by Joseph E. Sheffield, of New Haven, whose name, at the repeated request of the Corporation of Yale College, was subsequently attached to the foundation. Mr. Sheffield afterwards frequently and munificently increased his original gifts.

In 1863, by an act of the Connecticut Legislature, the national grant for the promotion of scientific education (under the congressional enactment of July, 1862) was given to this department of Yale University, which thus became the College of Agriculture and the Mechanic Arts for Connecticut. By an act of the State Legislature in 1892 this was revoked and the special relations of the School to the State created by the act of 1863 were terminated.

In 1871, at the request of Mr. Sheffield, certain of the professors in the Sheffield Scientific School and other friends of the institution organized themselves into a body corporate, under the laws of the State of Connecticut, with the following articles of incorporation :

KNOW ALL MEN BY THESE PRESENTS: That we, the undersigned, George J. Brush, Daniel C. Gilman, William P. Trowbridge, and John S. Beach, all of the city and county of New Haven, in the state of Connecticut, William Walter Phelps, of the city, county and state of New York, and Charles J. Sheffield, of the city of Cleveland, in the county of Cuyahoga, and state of Ohio, do hereby associate ourselves under the provisions of the statute laws of the state of Connecticut as a body politic and corporate for scientific purposes, and the following are our articles of association ; to wit :

ARTICLE 1. The name of said corporation shall be THE BOARD OF TRUSTEES OF THE SHEFFIELD SCIENTIFIC SCHOOL.

ARTICLE 2. The object and purpose of said corporation is to promote the study of physical, natural and mathematical sciences in the college or school of science known as the Sheffield Scientific School, located at said city of New Haven.

ARTICLE 3. The property and affairs of said corporation shall be managed and conducted by a board of nine directors,—of whom by virtue of their respective official positions there shall be three, consisting of the Governor of the state of Connecticut, the President of Yale College and the Chairman of the Trustees of the Peabody Museum of Natural History in Yale College ; and the other six directors shall be the above named associates who shall hold said office until others are chosen in their stead ; and whenever a vacancy shall arise from any cause among said six directors, a successor shall be chosen by all the remaining members of said board, but at least three of said directors, not including any of the ex-officio trustees, shall at all times be professors in the said Sheffield Scientific School, and the other elected

directors shall be persons especially interested in promoting the welfare of the Sheffield Scientific School, and shall be chosen without regard to their residence or non-residence in the state of Connecticut, and without regard to their ecclesiastical preferences.

Dated at New Haven, Connecticut, Feb. 8, 1871.

This incorporation of the Board of Trustees of the Sheffield Scientific School was confirmed by Act of the General Assembly in 1882.

ACT OF INCORPORATION

Resolved by this Assembly :

SECTION 1. That the Board of Trustees of the Sheffield Scientific School shall be and remain a body politic and corporate under the provisions herein contained, and shall have the right to and enjoy all the rights, powers, and privileges herein granted, and shall own and possess all the estate and assets now vested in said corporation, or that may hereafter accrue to it as devisee or legatee, to the same extent in all respects as if said corporation had been originally organized under a charter containing the provisions of this act.

SEC. 2. The object and purpose of said corporation is, and shall continue to be, to promote the study of physical, natural, and mathematical sciences, in the college or school of science known as the Sheffield Scientific School, located at the city of New Haven, and to that end the said corporation may do all acts necessary and proper for the well ordering of its affairs, and may receive, hold, or convey any estate, real or personal, that may be conveyed to it, or that it now possesses, and said property, while so used for the promotion of science, shall be free from taxation.

SEC. 3. The property and affairs of said corporation shall be managed and conducted by a board of nine directors, of whom, by virtue of their respective official positions, there shall be three, consisting of the Governor of the state of Connecticut, the President of Yale College, and the Chairman of the Trustees of the Peabody Museum of Natural History in Yale College, and whenever a vacancy shall arise from any cause among the other six directors, a successor shall be chosen by all the remaining members of said board, but at least three of said directors, not including any of the ex-officio trustees, shall at all times be persons who are or who have been professors in the said Sheffield Scientific School, and the other elected directors shall be persons especially interested in promoting the welfare of the Sheffield Scientific

School, and shall be chosen without regard to their residence or non-residence in the state of Connecticut, and without regard to their ecclesiastical preferences.

SEC. 4. The present officers of said corporation shall continue in their offices respectively until others shall be chosen under the provisions of this act.

SEC. 5. A majority of said directors, who are resident in New Haven, when met shall constitute a quorum.

SEC. 6. The directors, for the time being, shall have power to fill any vacancy which may happen in their board by death, resignation, or otherwise ; they may appoint and employ such officers as they may deem necessary or desirable to effectuate the purpose and object above mentioned, and may make such by-laws and rules and regulations for the government and management of the affairs of said corporation as they deem reasonable and necessary : provided the same be not inconsistent with the laws of this state or of the United States, and the present by-laws of said corporation shall remain in force until they be altered or amended.

In addition to the bequests made by Mr. Sheffield, numerous liberal gifts have been received, for the endowment of the School and the increase of its buildings and collections, by which the facilities of the institution have been greatly enlarged. Special mention is made of some of these gifts in the descriptions of buildings, apparatus, collections, scholarships and prizes.

The Governing Board consists of the President of the University and the professors who are permanently attached to the School. There are many other instructors associated with them, some of whom are connected with other departments of the University.

INSTRUCTION FOR GRADUATE AND SPECIAL STUDENTS

Persons who have completed undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the natural and physical sciences and their applications, gaining in one, two, or three years the degree of

BACHELOR OF PHILOSOPHY, or in two additional years of engineering study that of CIVIL ENGINEER or that of MECHANICAL ENGINEER. (See p. 192.)

Those who desire to engage in studies of a less exclusively technical character, may become candidates for the degree of MASTER OF SCIENCE or DOCTOR OF PHILOSOPHY. The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by instructors in other departments of the University.

The degree of MASTER OF SCIENCE is conferred upon graduates of this or other universities, of two years' standing or upwards, who have taken their first degree in science, and who have pursued successfully a higher course of study in science under the direction of the Governing Board. Such a course will involve at least one year of resident graduate study, followed by an examination and the presentation of a satisfactory thesis in some department of science. A committee of the Faculty is appointed (consisting for the present year of Professors Chittenden and Richards) to whom all candidates for this degree must submit their proposed courses of study for approval before the end of October of each year. The fee for graduation is ten dollars.

The degree of DOCTOR OF PHILOSOPHY is conferred upon those students who show the results of resident graduate work by a thesis giving evidence of high attainment and power of investigation, and by an examination on studies whose grade and amount meet the approval of the Faculty. Under ordinary circumstances two or more years' work in residence will be required, but in exceptional cases work of equal grade at another university may take the place of a year's residence here. Whenever the course of undergraduate study has been less than four years, three years of graduate work will be required. The thesis must be deposited at the Library for public inspection not later than May 1. A good knowledge of Latin, German, and

French is required in all cases, unless, for some very exceptional reasons, the candidate be excused by the Faculty. Evidence of sufficient attainments in these languages must be furnished at least two years before the degree is given. The fee for graduation is ten dollars.

The principal graduate courses offered in the Sheffield Scientific School are given by the following instructors:

Professor RICHARDS, in Mechanical Engineering.

Professor DuBOIS, in Civil Engineering.

Assistant Professor BARNEY in Municipal and Sanitary Engineering.

Professor HASTINGS, Assistant Professor BUMSTEAD and Dr. L. P. WHEELER, in selected subjects in Physics, and guidance in laboratory work.

Professor P. F. SMITH, Dr. GRANVILLE, Dr. MASON, Dr. CURTISS and Mr. TAYLOR, in Advanced Mathematics.

Assistant Professor TRACY in Graphic Statics.

Professor MIXTER, in Chemical Physics.

Professor WELLS, in Analytical Chemistry, Inorganic Chemistry, and Metallurgy.

Mr. COMSTOCK, Assistant Professor H. L. WHEELER and Dr. JOHNSON in Organic Chemistry.

Assistant Professor FOOTE, in Physico-Chemical Measurements and Electro-Chemistry.

Dr. WINTON, in Proximate Organic Analysis, with special reference to the detection of adulteration in animal and vegetable food-products.

Dr. JAMIESON, in Sanitary Water Analysis.

Professor VERRILL, in Zoology.

Professor S. I. SMITH and Assistant Professor COE, in General Biology, Comparative Anatomy, Embryology and Cytology.

Professors CHITTENDEN and MENDEL, in Physiological Chemistry, Physiology, and Experimental Toxicology.

Professor PENFIELD, in Mineralogy and Crystallography.
Professor PIRSSON, in Physical Geology and Petrology.
Professor SCHUCHERT, in Invertebrate Paleontology.

Assistant Professor EVANS, in Structural and Systematic Botany with special reference to the Microscopic Anatomy of Phanerogamous and Cryptogamous Plants.

Dr. DEAN, in Plant Physiology.

Dr. RETTGER, in Bacteriology and Hygiene.

Professors LOUNSBURY and CROSS, in English Literature.

Professor CORWIN and Dr. GLASCOCK, in the German Language and Literature.

Assistant Professor CLARKE, in French Phonetics and Literature.

Mr. LUQUIENS, in French and Spanish Literature.

Professor CALLENDER, in Applied Economics.

Mr. LEARNED, in History.

The same courses of study are open, for a longer or shorter time, to graduate students who do not desire to become candidates for a degree.

REQUIREMENTS FOR THE DEGREES OF CIVIL AND MECHANICAL ENGINEER

Students who have taken the degree of Bachelor of Philosophy may obtain the degree of CIVIL or of MECHANICAL ENGINEER at the end of two academical years, by pursuing the following higher courses of study and professional training.

THE DEGREE OF CIVIL ENGINEER

The course of study for this degree will comprise—

1. Higher Analysis and Theory of Least Squares, 2 hours per week both terms; Analytical Mechanics and Theory of Elasticity, 3 hours per week both terms, or the equivalent of these courses.

2. Mechanics applied to Engineering.
3. Practical Astronomy, with use of instruments, computations, etc.
4. Construction and Design.
5. Selected subjects in Civil Engineering.
6. Preparation of Theses on special subjects in Engineering.

The course will occupy two years. During one of these years candidates may, with the consent of the Professor of Civil Engineering, engage in professional practice.

To secure the requisite amount of professional knowledge and practice, the candidate will be required to furnish a comprehensive report of the results of an examination into the existing condition of some special line of constructive art ; or to present proper evidence that he has had actual charge in the field, for several months, of construction or surveying parties, or has held some responsible position deemed equivalent to this.

A design must also be submitted of some projected work, based upon data obtained by the candidate, and comprising all the requisite calculations, and the necessary detailed drawings, accompanied by specifications.

The fee for graduation is five dollars.

THE DEGREE OF MECHANICAL ENGINEER

The course of study for this degree will comprise—

1. Higher Analysis and Theory of Least Squares, 2 hours per week both terms ; Analytical Mechanics and Theory of Elasticity, 3 hours per week both terms, or the equivalent of these courses.
2. General Principles of Dynamics, including special application of these principles to dynamic problems.
3. Construction of Machines. Designs.
4. Preparation of Theses on special subjects in Mechanical Engineering.

During one of these years, candidates will be permitted to employ such portion of their time as may be deemed advisable or necessary in the examination of engineering works and manufacturing establishments, and may also have the privilege of entering upon professional practice,

provided it is done with the consent of the Professor of Mechanical Engineering, and under such circumstances as shall appear to him to be favorable to professional progress.

An elaborate thesis on some professional subject, with an original design, or project, accompanied by proper working drawings, will be required at the end of the second year.

The fee for graduation is five dollars.

REQUIREMENTS FOR ADMISSION OF SPECIAL STUDENTS

Those students who, being fully qualified, desire to pursue particular studies without reference to the obtaining of a degree, are received in most of the departments of the School as special students; not, however, in the Select Course, nor in the Freshman class. It should be distinctly understood, however, that these opportunities are designed especially to aid those who, having received a sufficient preliminary education elsewhere, desire to increase their proficiency in special branches.

To gain admission to such a special course of study, it is necessary for the student to show, either by examination or by submitting credentials from other scientific schools or colleges, that he has the preliminary training requisite for the successful pursuit of the course chosen. The plan of studies elected must meet with the approval of the professor in charge of the course. A special student may at any time become a regular student and candidate for a degree, by making up all deficiencies in the requirements for admission and in the required course subjects.

REQUIREMENTS FOR ADMISSION TO THE FRESHMAN CLASS

SUBJECTS OF EXAMINATION*

All candidates for admission to the Freshman class are examined in the following subjects:†

1. *English Grammar*—Whitney's *Essentials of English Grammar*, or an equivalent.
2. *English Literature A*.

READING AND PRACTICE—A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books.

In preparation for this part of the requirement, it is important that the candidate be instructed in the fundamental principles of rhetoric.

The books set for this part of the examination will be:—

For the class entering in 1905: Shakespeare's *Merchant of Venice* and *Julius Caesar*; The Sir Roger de Coverley Papers in *The Spectator*; Goldsmith's *Vicar of Wakefield*; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe*; Carlyle's *Essay on Burns*; Tennyson's *Princess*; Lowell's *Vision of Sir Launfal*; George Eliot's *Silas Marner*.

For the classes entering in 1906, 1907 and 1908: Shakespeare's *Macbeth* and *Merchant of Venice*; The Sir Roger de Coverley Papers in *The Spectator*; Irving's *Life of Goldsmith*; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe* and *Lady of the Lake*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *Passing of Arthur*; Lowell's *Vision of Sir Launfal*; George Eliot's *Silas Marner*.

3. *English Literature B*.

STUDY AND PRACTICE—This part of the examination presupposes more careful study of each of the works named below. The examination will be upon subject-matter, form, and structure, and will also

* For specimens of the Examination papers see the Appendix.

† Certificates of examination of the College Entrance Examination Board of the Middle States and Maryland are accepted so far as such certificates cover the requirements here set forth.

test the candidate's ability to express his knowledge with clearness and accuracy. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this part of the examination will be :—

In 1905 : Shakespeare's *Macbeth* ; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso* ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essays on Milton and Addison*.

In 1906, 1907, 1908 : Shakespeare's *Julius Caesar* ; Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso* ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essay on Milton*, and *Life of Johnson*.

No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom, or division into paragraphs.

4. *History of England*—The student should have some acquaintance with the leading facts of *English History* from the landing of Julius Caesar (55 B. C.) down to the conclusion of Beaconsfield's ministry (1880). Special attention should be given to incidents from the Norman Conquest onwards. It is recommended that, so far as possible, the attention of the student be directed to the importance not only of the development of English government, but of English industry, and English literature. Montgomery's *Leading Facts of English History*, or an equivalent.

[In view of the importance of a knowledge of the History of England as a preparation for the study of English in Freshman year, no substitution will be allowed for this requirement.]

5. *History of the United States or Roman History or Greek History*.

In *History of the United States*, a thorough acquaintance is expected with some one of the more recent text-books such as Johnston's *History of the United States*, revised edition, Montgomery's *Students' American History*, Channing's *Students' History of the United States* or McLaughlin's *History of the American Nation*.

In *Greek History* the examination will cover the period to the death of Alexander (323 B. C.). Myers' *A History of Greece*, or Botsford's *History of Greece*, or an equivalent.

In *Roman History* the student should be particularly familiar with the Roman Republic (509 B. C. to the death of Julius Caesar), though he will be held responsible for some knowledge

of the development of the Empire to the death of Augustus (14 A. D.). Myers' *Rome: its Rise and Fall*, or Botsford's *History of Rome*, or an equivalent. In Greek and Roman history the importance of historical geography should not be overlooked.

The examinations in history are not designed as a memory test merely, but will be framed on the supposition that the student has done systematic note-book work and has an adequate knowledge of historical geography. For the purpose of arousing interest in the subject, it is strongly recommended that the student be urged to follow, under his teacher's guidance, a course of supplementary reading, so arranged as to cover the more important periods and events, and to call attention to social development, constitutional growth, and the principles of government.

6. *Latin Grammar and Composition*—The examination in Latin Grammar will be based on connected passages taken from the first and second books of Caesar's *Gallic War*. The exercises set for translation from English into Latin will involve the vocabulary and idioms of these two books.

7. *Caesar or Nepos*—The first four books of Caesar's *Gallic War*.

The first twelve of Nepos' *Lives*, as they appear in the Teubner edition, will be accepted as an equivalent for the third and fourth books of Caesar. For the first and second books of Caesar no equivalent will be accepted.

8. *Vergil or Cicero*—The first three books of the *Aeneid*. This requirement involves an ability to scan Latin hexameters.

Cicero's orations against Catiline and for Archias may be offered in place of Vergil.

In order to allow preparatory schools still further freedom in arranging their courses of work, examination papers will be prepared on other equivalents of the texts mentioned above, provided application for a sufficient number of candidates be made to the Registrar of the Sheffield Scientific School before May 1.

9. *German or French*—Candidates will be required to translate at sight simple prose selections from German or French authors, and to have such a knowledge of grammar as will enable them to read the selections intelligently. This implies familiarity with the

declensions of nouns, adjectives, and pronouns, with the conjugation of verbs, and with the syntax of cases. An ability to translate simple sentences from English into German or French will also be requisite, as well as an intelligible pronunciation of the language offered.

10. *Algebra A, Elementary (through Quadratics)*—Fundamental operations, factoring, highest common factor, least common multiple, fractions, equations of the first degree in one or more unknown quantities, problems which lead to equations of the first degree, inequalities, powers and roots, fractional and negative exponents, reduction of radicals, binomial formula for a positive integral exponent, quadratic equations in one or two unknown quantities, equations solved like quadratics, problems which lead to quadratic equations, ratio, proportion and variation.

[This requirement corresponds to Elementary Algebra I, II, of the College Entrance Examination Board of the Middle States and Maryland.]

11. *Algebra B, Advanced*—Properties of quadratic equations, arithmetical and geometrical progressions, permutations and combinations, principles of logarithms with applications, partial fractions, solution of numerical equations of higher degree, and so much of the theory of equations as is necessary for this purpose (omitting multiple roots and Sturm's theorem), including graphical representation of functions of one variable and approximation to incommensurable roots.

[This requirement is covered by Elementary Algebra III, and Advanced Algebra II, of the College Entrance Examination Board of the Middle States and Maryland.]

A syllabus of the requirement in Advanced Algebra may be obtained from the Treasurer of the Sheffield Scientific School, New Haven, Conn., on payment of ten cents.

It is expected that candidates presenting themselves in Algebra will have covered all the subjects above specified. The examination, however, is especially designed to test the *thoroughness* of the candidate's training and preparation. Those questions, therefore, whose solution involves only the fundamental operations must be worked out rapidly and accurately.

Much time should be devoted to the statement and solution of problems, and the student should be taught the importance of the interpretation and verification of his results.

[In 1906, the requirements in Algebra A and B will be as follows:

10. *Algebra A, Elementary (through Quadratics)*—The four fundamental operations for rational algebraic expressions; factoring, determination of the highest common factor and least common multiple by factoring; fractions, including complex fractions and ratio and proportion; linear equations both numerical and literal, containing one or more unknown quantities; problems depending on linear equations; radicals, including the extraction of the square root of polynomials and of numbers; exponents, including the fractional and negatives. Quadratic equations, both numerical and literal; simple cases of equations with one or more unknown quantities that can be solved by the methods of linear and quadratic equations; problems depending on quadratic equations; binomial theorem for positive integral exponents; formulas for the n th term and the sum of the terms of arithmetical and geometrical progressions, with applications.

One hour and fifty minutes will be allowed for this examination.

This requirement agrees with Elementary Algebra I, II, of the College Entrance Examination Board of the Middle States and Maryland, for 1905 and thereafter.

11. *Algebra B, Advanced*—Permutations and combinations, limited to simple cases. Numerical equations of higher degree, and so much of the theory of equations with graphical methods as is necessary for their treatment, including Descartes' Rule of Signs and Horner's method, but not Sturm's functions or multiple roots.

One hour and five minutes will be allowed for this examination.

(This requirement is covered by Advanced Algebra of the College Entrance Examination Board of the Middle States and Maryland, for 1905 and thereafter.)]

12. *Plane Geometry*—Demonstration of the theorems and constructions contained in any standard text, and solution of original propositions and problems.

The examination in this subject will test not only the candidate's acquaintance with the theorems of any standard text, but also his ability to solve original exercises and problems. Two hours will be allowed for the examination, and it is expected that aptitude will be shown in attacking questions of reasonable

difficulty. As much time as possible should be devoted in the student's preparation to originals. The pupil should learn therefore that knowledge of Geometry means not merely familiarity with propositions proven in the text, but rather the possession of keenness and readiness in space perception as well as the power to reason logically and deductively.

13. *Solid and Spherical Geometry*—The usual text demonstrations, including the relations of planes and lines in space, the properties and mensuration of prisms, pyramids, cylinders and cones, the sphere and spherical triangle.

In selecting a text-book in Geometry, it is especially important that one be chosen which encourages and develops independent thought and work on the part of the student, and which does not reduce the study of the science to an exercise in memorizing. Knowledge of propositions and constructions is not the only aim of geometric instruction, but training in logical thinking and deductive reasoning as well. The student should acquire power in applying the methods which he has been taught to the solution of original exercises and problems. The examination is intended to test the power of the candidate in this respect, and also his acquaintance with the text.

14. *Plane Trigonometry*—Fundamental definitions, properties, and analytical theory of the trigonometric functions, with the usual formulæ; applications to the solution of simple problems, and, in particular, to the formal solution of plane oblique triangles. No tables of logarithms are furnished in this examination.

Preparation in Trigonometry should include exercises in applying the formulæ to a variety of reductions and transformations, and the solution of trigonometrical equations. Of fundamental importance is a thorough drill in the reduction of functions of any angle to functions of an acute angle. A proper course must also include the solution of plane oblique triangles by logarithmic calculation, required in the examination on use of Logarithms.

- 14a. *Use of Logarithms*—This examination tests the ability of the student to solve numerical problems in Algebra and Plane Trigonometry by logarithmic calculation. No candidate should present himself who is unprepared in these subjects. Knowledge of the formulæ for the solution of right triangles is assumed. Accuracy in results and neatness in arrangement of the computation are insisted upon.

The student should be familiar with the tables furnished at the examination, which may be obtained from the publishers, Henry Holt & Company, New York City. The necessary formulæ for the solution of plane oblique triangles are given in these tables.

[In 1906 this requirement will be changed to

14a. *Theory and Use of Logarithms*—Theory and principles of logarithms (without the introduction of work involving infinite series), solution of right and oblique plane triangles, and of numerical problems in Algebra. One hour will be allowed for this examination. The requirements 14, 14a are covered by Trigonometry of the College Entrance Examination Board of the Middle States and Maryland in 1905 and thereafter.]

15. *Botany or Chemistry or Physics*—In *Botany* the requirements include a knowledge of the structure and of the more important physiological processes of flowering plants, together with matters pertaining to pollination and the dissemination of seeds. Leavitt's *Outlines of Botany*, or Bergen's *Foundations of Botany*, is recommended as a suitable aid in preparing for the examination. It is desirable that the candidate should have had some experience in the analysis of common flowering plants.

In *Chemistry* the requirement will involve (a) a knowledge of hydrogen, oxygen, the halogens, sulphur, nitrogen, phosphorus, arsenic, carbon, silicon, sodium, potassium, ammonium, calcium, barium, magnesium, zinc, mercury, silver, copper, tin, lead, iron and aluminium, together with their simple compounds. This will include ability to describe the occurrence in nature of such substances, their simple physical properties, the more important or typical chemical changes in which they take part, the important methods of preparation and a knowledge of the common names; also, ability to describe accurately the phenomena observed in experiments and to make deductions from those observations.

(b) Ability to sketch and describe simple pieces of apparatus used in the laboratory.

(c) Ability to write equations of simple reactions and to make calculations of the quantities involved, atomic weights being supplied; also, ability to calculate volumes of gases from their weights or the reverse and to calculate the quantity per unit volume of a substance in solution from the density and percentage composition of the solution.

(d) Familiarity with the fact that elements combine in fixed ratios or multiples thereof, and a knowledge of the atomic

theory; also, ability to apply the laws of Boyle, Charles and Avogadro and to write equations representing the reactions by volume of the common gases and vapors.

It is strongly recommended that the preparation for this requirement should be by a course of class room and laboratory work in which particular emphasis is laid upon the systematic study of the elements in natural groups or by the use of Mendelejeff's classification. Fundamental principles, such as reduction, oxidation, the reaction of acids, bases, etc., should be given special attention, and the more important test reactions should be made familiar.

No candidate will be accepted in this subject unless he has had a laboratory course. Every candidate must attach to his answer paper in chemistry a statement signed by his instructor of the work he has done in this subject.

In *Physics* the examination will be designed to test the candidate's familiarity with the general phenomena of mechanics, sound, light, heat, magnetism and electricity, and his knowledge of the simpler laws governing these phenomena. If his course of instruction has involved work in the laboratory, a portion of the paper will be given to the methods of the laboratory as exemplified in some leading experiments.

DIVISION OF EXAMINATION

Preliminary Examination.—Candidates are allowed to divide the examination between two *successive* years. For the first or *preliminary examination* the candidate may present himself at any regular examination in either June or September and may offer any five or more of the above mentioned subjects. At this examination, each candidate must submit a definite statement from his principal instructor regarding the subjects which he is authorized to offer.* A *certificate of preliminary examination* will not be granted unless at least five of these subjects have been satisfactorily passed.

Final Examination.—Final candidates, whether presenting themselves for the first time or for completing the credits not included in a certificate of preliminary exami-

* Blank forms for this purpose will be sent upon application to the Registrar of the Sheffield Scientific School.

nation, may take the examinations at any regular session. A candidate who desires to postpone examination in any subject from June until September should submit with his request the authorization of his principal instructor.

A *final* candidate who has been rejected in June may try the whole examination again in September of the same year ; but a preliminary certificate given in June cannot be used in the following September examination.

Deficiencies—Students are admitted conditionally with certain deficiencies, if their record of examinations is such as to make it appear that they are fitted to pursue the courses of the School successfully. The number of conditions which shall exclude a candidate from admission is not fixed. The record of each candidate is considered with a view to deciding whether his preparation is adequate, and whether the deficiencies are of such a nature as to admit of their being made up within the time allotted. All deficiencies in subjects required for admission must be made up before the student is allowed to enter upon the work of the second (Junior) year.

Testimonials—Satisfactory testimonials of character from the last instructor or some other responsible person, are in all cases required before a certificate of admission in full is granted. Candidates who have been members of a school at any time within the preceding year must submit a certificate of honorable dismissal from that school. Students from other colleges must present certificates of dismissal in good standing.*

Age—No one is admitted to the Freshman class who is less than sixteen years of age.

TIME AND PLACES OF EXAMINATION

Two regular examination sessions are held each year,—the first, at the close of the college year in June [July],

* Blank forms for this purpose will be sent upon application to the Registrar of the Sheffield Scientific School.

the second, at the beginning of the college year in September.

In 1905, the first or June [July] session will be held on Thursday, Friday and Saturday, June 29, 30 and July 1. Attendance, for the purpose of registration, is required at the opening of the session at 9.00 A. M.

In June, 1905, examinations (for the Freshman class only) will be held at the places mentioned on pages 73, 74.

Candidates who propose to present themselves for examination elsewhere than in New Haven are requested to send their names to the Registrar of the School, before May 15.

Fee—A fee of five dollars, payable at the place of examination, is charged for admission to the examinations outside of New Haven. This fee, except in the case of failure, entitles the candidate to the whole examination whether this be taken at one session or divided between two successive years.

The second or September examinations in 1905, will be held in New Haven only, on Monday, Tuesday and Wednesday, September 25, 26 and 27. Candidates should present themselves for registration before their first examination.

In general, examinations for admission to the incoming Freshman class can be held only in June and September as specified; if in any case sufficient reason exists for an exception to this rule, a special fee (not exceeding fifty dollars) will be charged.

REQUIREMENTS FOR ADVANCED STANDING

All candidates for advanced standing are examined in the subjects required for admission as well as in the studies already pursued by the class which they wish to enter, except where satisfactory credits, covering the required subjects, are presented from some other university or college of good standing. No candidate for a degree is admitted later than the beginning of the Senior year.*

* Blank forms of application for advanced standing will be sent upon request by the Registrar of the Sheffield Scientific School.

INSTRUCTION FOR UNDERGRADUATE STUDENTS

COURSES OF INSTRUCTION

Courses of instruction, occupying three years, are arranged to suit the requirements of various classes of students. The work of the first year is essentially the same for all students, and is a general preparation for the advanced and special work of the later courses. The instruction of this year has a general scientific basis of mathematics, chemistry and physics. In addition to these studies special attention is given to English and the modern languages. For the later years, the instruction is chiefly arranged in Special Courses. Modern languages are, however, studied by all students, irrespective of the special course which they may elect. Either French or German is offered as a requisite for admission by each student. The language taken in the entrance examinations is continued through Freshman and Junior years, while the other language is begun in Junior year and continued through Senior year. Opportunity is also afforded for the study of Spanish.

The Courses of study most distinctly marked out are :

- I. Chemistry ;
- II. Chemistry preparatory to Metallurgy ;
- III. Civil Engineering ;
- IV. Mechanical Engineering ;
- V. Electrical Engineering ;
- VI. Municipal and Sanitary Engineering ;
- VII. Engineering preparatory to Mining ;
- VIII. Zoology and Botany ;
- IX. Mineralogy and other studies preparatory to Geology ;
- X. Biology preparatory to Medical studies ;
- XI. Select studies in Science and Literature ;
- XII. Studies preparatory to the study of Forestry.

The arrangement of studies in Freshman year is indicated in the annexed scheme. A fuller statement of the methods and character of the instruction will be found under SUBJECTS OF INSTRUCTION, pp. 232 to 260. The Freshman class is divided, as soon as practical, into divisions according to scholarship, and an opportunity to make more rapid progress is thus given to the more proficient. Unless otherwise specified, the number of hours given means hours per week.

FRESHMAN YEAR: INTRODUCTORY TO ALL COURSES

INSTRUCTORS

In Mathematics : Professor P. F. SMITH, Dr. GRANVILLE, Dr. MASON, Dr. CURTISS, and assistants.

In Physics : Professor HASTINGS, Assistant Professor BEACH, Dr. WHEELER and Dr. LESTER.

In Chemistry : Professor MIXTER, Assistant Professor WALDEN, and assistants.

In English : Professor CROSS, Dr. NETTLETON and Mr. CANBY.

In Foreign Languages : Professor CORWIN, Assistant Professor CLARKE, Dr. GLASCOCK, Dr. THORSTENBERG, Messrs. LUQUIENS, ROBBINS, J. P. RICE, WARD, and assistants.

In Free-hand Drawing : Professor NIEMEYER, Mr. LANGZETTEL, and assistants.

In Mechanical Drawing : Mr. TAYLOR, and assistants.

SCHEME OF STUDIES

FIRST TERM :—

German or French—3 hrs.

Mathematics—Plane Analytical Geometry, 3 hrs.

Physics—Recitations, 2 hrs.; Experimental Lectures, 2 hrs.

Chemistry—Recitations, 2 hrs.; Lectures and Laboratory Practice, 2 hrs.

English—History of the English Language, 2 hrs.

Free-hand Drawing—Practical lessons in the Art School, 3 hrs.

SECOND TERM :—

German or French—3 hrs.

Physics—Recitations, 2 hrs.; Experimental Lectures, 2 hrs.

Chemistry—Recitations, 2 hrs.; Lectures and Laboratory Practice, 2 hrs.

Mathematics—Plane Analytical Geometry, continued, 3 hrs. first half of term. Analytic Geometry of Space or Elementary Calculus, 3 hrs second half of term.

English—Shakespeare, Byron, Tennyson, and Browning, 2 hrs.

Drawing—Principles of Orthographic, Isometric, and Oblique Projection ; Intersection and Development of Surfaces ; Outlines of Shadows ; Shading and Tinting ; Elements of Perspective ; Examples of various applications of Instrumental Drawing ; 3 hrs.

On or before March 1st members of the Freshman class are required to make a choice of the course of study they desire to pursue during Junior and Senior years, and at the opening of the Spring half-term the Freshman class is divided into two main groups.

GROUP I.—This group includes all students electing courses in Civil Engineering, Mechanical Engineering, Municipal and Sanitary Engineering, Electrical Engineering, or Engineering preparatory to Mining.

GROUP II.—This group includes all students electing courses in Chemistry, Metallurgy, Biology preparatory to Medical studies, Zoology and Botany, Mineralogy and other studies preparatory to Geology, Select studies in Science and Literature, or Studies preparatory to the study of Forestry.

During the Spring half-term of Freshman year, students in Group I pursue in Mathematics the study of Analytic Geometry of Space, as a fitting preparation for the more advanced mathematical studies of the Engineering courses, while students in Group II pursue a course in Calculus of an introductory and general nature designed to complete their general mathematical training.

The aims and scope of the Special Courses in which the instruction is arranged for the Junior and Senior years, are outlined below. More detailed information regarding the character of the instruction offered will be found under SUBJECTS OF INSTRUCTION, pp. 232 to 260.

I. CHEMISTRY

Professors WELLS, PENFIELD, PIRSSON; Assistant Professors WHEELER, FOOTE; Mr. COMSTOCK, Dr. WINTON, Dr. FORD, Dr. JOHNSON, Dr. JAMIESON, and assistants.

The aim of the instruction in this course is to provide a training which will serve as a basis for a career in any branch of pure or applied chemistry. With this end in view, the general and fundamental principles of the science receive much attention, in the belief that exact scientific knowledge is preferable to mere drill in the practical applications of the subject, since the principles can always be used, while the details of practice are continually changing.

The practical side of the science is not neglected in the course, for much instruction is given in such branches as can be profitably studied in the laboratory. In analytical chemistry—both qualitative and quantitative—much time is devoted to the attainment of skill in manipulation and a knowledge of the more important methods used in practical work. Likewise, much of the laboratory work in organic and inorganic preparations is so chosen as to illustrate important technical operations. In these and in other practical courses particular attention is paid to the scientific principles involved in the operations.

The more theoretical studies of the course are dealt with by recitations and lectures in organic chemistry, general and theoretical chemistry, physical chemistry and chemical calculations. Most of these subjects are introductory to laboratory work, or are carried on in connection with it.

The course gives an opportunity for specializing in several branches, such as in the analysis of food-products, sanitary water analysis, and physico-chemical laboratory work. It includes also the study of metallurgy, considered chiefly from a chemical standpoint.

Students who have pursued this course successfully will obtain a good foundation of knowledge in several important branches of chemistry. They will be able to

undertake work in teaching the subject and in practical analytical chemistry; and they will be well equipped to master rapidly the details of operations connected with chemical manufacturing.

A more detailed description of the subjects of instruction in this course is given on pp. 232 to 260.

SCHEME OF STUDIES

JUNIOR YEAR :

FIRST TERM :—

Organic Chemistry—Lectures and Recitations, 2 hrs.

Qualitative Analysis—Recitations and Lectures, 4 hrs. ; Laboratory Practice, 15 hrs.

Mineralogy—Blowpipe Practice and Determinative Mineralogy, 4 hrs.

English Composition—1 hr.

German—3 hrs.

French—3 hrs.

SECOND TERM :—

Organic Chemistry—Laboratory Practice, 15 hrs. for 4 weeks ; Lectures and Recitations, 1 hr.

Quantitative Analysis (Gravimetric)—Laboratory Practice after 4 weeks, 15 hrs. ; Recitations, 1 hr.

Chemical Calculations—1 hr.

Mineralogy—Blowpipe Analysis and Determination of Species, 3 hrs. ; Lectures in Crystallography and Descriptive Mineralogy, 2 hrs.

English Composition—1 hr.

German—3 hrs.

French—3 hrs.

SENIOR YEAR :

FIRST TERM :—

Organic Chemistry—Recitations and Lectures, 2 hrs.

General and Theoretical Chemistry—Recitations, 3 hrs.

Quantitative Analysis (Volumetric)—15 hrs. ; Lectures and Recitations, 1 hr.

Chemical Calculations—1 hr.

Geology—Recitations, 3 hrs.

French or German—3 hrs.

Military Science—Lecture, 1 hr.

SECOND TERM :—

Physical Chemistry—Recitations, 3 hrs.

Inorganic Preparations followed by *Organic Preparations*—Laboratory Practice, 15 hrs.; Recitations, 1 hr. [Optional: *Proximate Analysis of Vegetable and Animal Products*; *Physico-Chemical Measurements*; *Sanitary Water Analysis*—15 hrs. for part of term.]

Metallurgy, Assaying, and Gas Analysis—3 hrs.

Zoology followed by *Geology*—3 hrs.

Mineralogy (optional).

Elementary Petrology—Lectures (optional), 1 hr.

French or German—3 hrs.

II. CHEMISTRY PREPARATORY TO METALLURGY

Professors WELLS, PENFIELD, PIRSSON; Assistant Professors MARSHALL, HUNTOON, FOOTE, TRACY; Dr. FORD, Dr. JOHNSON, Dr. JAMIESON, and assistants.

This course is related to that in Chemistry and is intended to provide a training suitable for an understanding of metallurgical operations, particularly from a chemical point of view. In the place of organic chemistry, drawing, ore dressing, metallurgical analysis, and a more elaborate course in assaying are taken up. A course in surveying is also required.

The quantitative chemical analysis given in this course is particularly extensive, since it includes that of the course in chemistry, and also additional work in the analysis of ores, furnace products, etc. The same attention to theoretical principles is given here as in the course in chemistry, and the same instruction is given in general and theoretical chemistry, physical chemistry and chemical calculations, as in that course.

The graduate of this course should be competent to undertake work as a metallurgical chemist or assayer, and he should be in a position to master quickly the details of any metallurgical operation. Those who are desirous of obtaining a more intimate knowledge of the

closely related subject of mining, as an aid in a metallurgical career, are advised to pursue a year of graduate work in studies relating to mining.

A more detailed description of the subjects of instruction in this course is given on pp. 232 to 260.

SCHEME OF STUDIES

BS, MS, EL

JUNIOR YEAR :

FIRST TERM :—

Surveying—Field work, first 3 weeks in September.

Qualitative Chemical Analysis—Laboratory work, 15 hrs. Lectures and Recitations, 4 hrs.

Determinative Mineralogy—3 hrs.

Descriptive Geometry—3 hrs.

English Composition—1 hr.

French—3 hrs.

German—3 hrs.

SECOND TERM :—

Quantitative Analysis (Gravimetric)—Laboratory work, 15 hrs.; Lectures and Recitations, 1 hr.

Chemical Calculations—1 hr.

Determinative Mineralogy—3 hrs.

Crystallography and Descriptive Mineralogy—2 hrs.

Descriptive Geometry and Drawing—3 hrs.

English Composition—1 hr.

French—3 hrs.

German—3 hrs.

SENIOR YEAR :

FIRST TERM :—

Volumetric Chemical Analysis—15 hrs.; Lectures and Recitations, 1 hr.

Chemical Calculations—1 hr.

General Chemistry—3 hrs.

Ore Dressing—2 hrs.

Geology—3 hrs.

Mineralogy—6 hrs.

French or German—3 hrs.

Military Science—Lecture, 1 hr.

SECOND TERM :—

Inorganic Preparations and Physico-Chemical Measurements, followed by *Metallurgical Analysis*—15 hrs.

Metallurgy, followed by *Assaying and Gas Analysis*—3 hrs.

Geology—3 hrs.

Petrology, followed by *Ore Deposits*—1 hr.

Mineralogy (optional), *Physical and Electro-Chemistry*—3 hrs.

French or German—3 hrs.

III. CIVIL ENGINEERING

Professors DUBOIS, PENFIELD, PIRSSON, P. F. SMITH; Assistant Professors BARNEY, TRACY, MARSHALL; Dr. GRANVILLE, Dr. MASON, Dr. CURTISS, Dr. FORD, Mr. TAYLOR, Mr. RYDER, and assistants.

The object of this course is to give, first of all, a thorough preparation in the principles of the various sciences involved, and afterwards, as extensive practice in the application of those principles as the time at disposal, the ability of the students, and the facilities and plant permit.

Under the first head are included such subjects as mathematics, physics, mechanics, thermodynamics, astronomy, geology, mineralogy, and chemistry; and under the second head, drawing, surveying, strength and properties of materials, and designs and construction of various kinds, such as bridges, roofs, foundations, arches, retaining walls, dams, water works, railroads, improvement of rivers and harbors, sewerage and drainage, motors, hydraulics and sanitary engineering.

The first division includes Civil Engineering as a Science, the other, Civil Engineering as an Art. The ground covered by the first is definite, and the instruction is made as thorough as possible. The ground covered by the second is of almost indefinite extent. Here, by a careful selection of practical examples, such as occur in engineering practice, the application of principles is illustrated, and together with the analytical or algebraic methods, the student is also instructed in practical graphic solutions, wherever such solutions present a special value. Much time is

devoted to geodetic operations and to surveying in the field.

The method of teaching is by means of practical exercises, lectures, and recitations, so combined as to develop as far as possible the mental powers of the student. Visits of inspection are made at suitable intervals to private and public works of engineering interest.

The entire course requires five years, three years of undergraduate and two of graduate instruction ; and a thesis of merit upon some approved subject, accompanied by designs and estimates, is required upon the completion of the course.

The requirements for the degree of CIVIL ENGINEER will be found on p. 192. A more detailed description of the subjects of instruction in this course is given on pp. 232 to 260.

SCHEME OF STUDIES

JUNIOR YEAR :

FIRST TERM :—

Surveying—Field-work, first three weeks in September ; Mapping, 7 hrs.

Mathematics—Differential Calculus, with applications to Geometry and Analysis, 5 hrs.

Descriptive Geometry—6 hrs.

English Composition—1 hr.

German—3 hrs.

French—3 hrs.

SECOND TERM :—

Mathematics—Integral Calculus with applications to Geometry, 5 hrs. first half-term. Theoretical Mechanics—5 hrs. second half-term.

Drawing—Bridge details, 6 hrs. first half-term.

Spherical Trigonometry—2 hrs. for second half-term.

Railway Engineering—Curves, earthwork, etc., 2 hrs.

Masonry Construction (optional)—3 hrs.

Cement Testing (optional)—2 hrs. first half-term.

English Composition—1 hr.

German—3 hrs.

French—3 hrs.

SENIOR YEAR :

FIRST TERM :—

Field Engineering—Location of line of Railroad ; three weeks in June and July. Office-work ; mapping ; calculation of earthwork ; lectures on economic location ; 5 hrs.

Mechanics—Statics, Kinematics, Kinetics, 3 hrs.

Civil Engineering—Mechanics applied to Engineering ; Strength of Materials ; Bridges and Roofs ; 4 hrs.

Roads and Pavements—Lectures, 1 hr.

Adjustment of Observations—3 hrs.

Water Supply Engineering, (optional)—3 hrs.

Geology—Recitations, 3 hrs.

Mineralogy—Blowpipe Analysis and Determinative Mineralogy, 6 hrs.

French or German—3 hrs.

Military Science—Lecture, 1 hr.

SECOND TERM :—

Civil Engineering—Bridges and Roofs ; Building Materials ; Stability of Arches and Walls ; Foundations ; 4 hrs.

Railroad Economics—Lectures, 2 hrs. first half-term.

Mechanics—Applied Mechanics, 4 hrs. first half-term.

Hydraulics—Hydraulics and Hydraulic Motors, 3 hrs. second half-term.

Drawing—Designing ; Practical Problems ; Specifications and Estimates ; 7 hrs. after February 10th.

Forest Hydrography—Lectures (optional) 4 to 6 in number during second half-term.

Astronomy—Practical Astronomy, with field work, 4 hrs. second half-term.

Geology—3 hrs. until February 10th.

Elementary Petrology—Lectures (optional), 1 hr.

French or German—3 hrs.

IV. MECHANICAL ENGINEERING

Professors RICHARDS, PENFIELD, P. F. SMITH ; Assistant Professors LOCKWOOD, MARSHALL ; Dr. GRANVILLE, Dr. SHEPARD, Dr. MASON, Dr. CURTISS, and assistants.

The objects aimed at in the plan of instruction in this course are, to give the student a thorough training in elementary and advanced mathematics and physics, and

their application to the science of construction; to make him familiar with the general principles of Engineering and, as far as possible, with the practical details of mechanical construction through which these principles are made useful; and to enable him ultimately, in beginning the work of his profession, to bring to bear upon it a well-balanced store of theoretical knowledge, and a mind trained in correct habits of thought and work.

The complete course covers five years, three of which are spent in undergraduate study, and two in a graduate course, a portion of which may be given to actual practical work. A more detailed description of the subjects of instruction in this course is given on pp. 232 to 260. The requirements for the degree of MECHANICAL ENGINEER are given on page 193.

SCHEME OF STUDIES

JUNIOR YEAR:

FIRST TERM:—

Mathematics—Differential Calculus, 5 hrs.

Thermodynamics—2 hrs.

Principles of Mechanism—2 hrs.

Descriptive Geometry—3 hrs.

English Composition—1 hr.

German—3 hrs.

French—3 hrs.

SECOND TERM:—

Mathematics—Integral Calculus, 5 hrs. first half-term; Theoretical Mechanics, 5 hrs. second half-term.

Shop-Visiting—1¾ hrs.

Thermodynamics—2 hrs. until about April.

Applied Mechanics—2 hrs. after February.

Drawing—3 hrs.

English Composition—1 hr.

German—3 hrs.

French—3 hrs.

SENIOR YEAR :

FIRST TERM :—

Mechanics—3 hrs.

Steam Engineering—4 hrs.

Strength of Materials—2 hrs.

Machine Designing—8 hrs.

Blowpipe Analysis and Determinative Mineralogy (optional)—3 hrs.

French or German—3 hrs.

Military Science—Lecture, 1 hr.

SECOND TERM :—

Mechanics—continued, 3 hrs.

Steam Engineering—continued until about March, 3 hrs.

Stresses in Structures—3 hrs. after February.

Hydrostatics and Hydrodynamics—3 hrs.

Machine Designing—continued, 8 hrs.

French or German—3 hrs.

Mineralogy (optional)—3 hrs.

V. ELECTRICAL ENGINEERING

Professors HASTINGS, P. F. SMITH; Assistant Professors BUMSTEAD, BEACH, MARSHALL; Dr. GRANVILLE, Dr. WHEELER, Dr. RICE, Dr. MASON, Dr. CURTISS, Dr. LESTER, and assistants.

The aim of this course is to impart a sound knowledge of the extensive theories which form the scientific basis of applied electricity, rather than a familiarity with the ever changing practice of the manufacturers of electrical machinery. A more detailed description of the method pursued and the subjects of instruction appear on pp. 232 to 260.

SCHEME OF STUDIES

JUNIOR YEAR :

FIRST TERM :—

Mathematics—Differential Calculus, with applications to Geometry and Analysis, 5 hrs.

Theory of Heat—2 hrs.

Descriptive Geometry—3 hrs.

Mechanism—2 hrs.

English Composition—1 hr.

German—3 hrs.

French—3 hrs.

SECOND TERM :—

Mathematics—Integral Calculus, with applications to Geometry, 5 hrs. first half-term ; Theoretical Mechanics, 5 hrs. second half-term.

Theory of Electricity—2 hrs.

Descriptive Geometry and Drawing—3 hrs.

Analytical Mechanics—2 hrs.

English Composition—1 hr.

German—3 hrs.

French—3 hrs.

SENIOR YEAR :

FIRST TERM :—

Theory of Physical Instruments and Measurements—5 hrs.

Laboratory Work—6 hrs.

Machine Designing—6 hrs.

Steam Engine—2 hrs.

Shop-Visiting—2 hrs.

French or German—3 hrs.

Military Science—Lecture, 1 hr.

SECOND TERM :—

Theory of Electricity—5 hrs.

Laboratory Work—6 hrs.

Dynamo Construction—2 hrs.

Machine Designing—6 hrs.

Steam Engine—2 hrs.

French or German—3 hrs.

VI. MUNICIPAL AND SANITARY ENGINEERING

Professors DuBois, Pirsson, P. F. Smith, H. E. Smith; Assistant Professors Barney, Tracy; Mr. Taylor Mr. Ryder, Dr. Granville, Dr. Mason, Dr. Curtiss, Dr. Rettger, and assistants.

The object of this course is to afford a training for students who wish to devote attention especially to those branches of Civil Engineering that concern the public health and convenience, such as Water Supply, Sewerage

and Pavements, with due regard to both the engineering and economic features involved. This calls first of all for a thorough training in the general principles of the various sciences, the applications of which constitute the art of Civil Engineering; second, for a sufficient knowledge of Chemistry and Bacteriology and their relations to those engineering problems dealing with sanitation, to enable the engineer to design the various municipal works with due regard to their effect upon the public health.

In the course of study outlined below it is the aim in each subject first to give as thorough a preparation in the principles involved as the time at command will allow, before illustrating their use in applied engineering by means of carefully selected examples. The instruction is intended, above all, to develop in the student that mental power which will enable him, in the future, to design engineering works, to meet satisfactorily the constantly varying conditions of practice, and to gain the ability to present his work to the consideration of others in a clear and convincing manner. The method of teaching is by means of recitations, lectures and practical exercises, supplemented by visits to works of engineering and sanitary interest.

A more detailed description of the subjects of instruction in this course is given on pp. 232 to 260.

SCHEME OF STUDIES

JUNIOR YEAR :

FIRST TERM :—

Surveying—Field-work, first three weeks in September; Mapping, 7 hrs.

Mathematics—Differential Calculus, with applications to Geometry, Kinematics and Analysis, 5 hrs.

Descriptive Geometry—6 hrs.

English Composition—1 hr.

German—3 hrs.

French—3 hrs.

SECOND TERM :—

Mathematics—Integral Calculus with applications to Geometry, 5 hrs. first half-term ; Theoretical Mechanics, 5 hrs. second half-term.

Drawing—Bridge details, 6 hrs. first half-term.

Masonry Construction—3 hrs.

Cement Testing—2 hrs. first half-term.

Spherical Trigonometry—2 hrs. second half-term.

Railway Engineering—3 hrs. second half-term.

English Composition—1 hr.

German—3 hrs.

French—3 hrs.

SENIOR YEAR :

FIRST TERM :—

Field Engineering—Topographical and Hydrographical Surveying ; three weeks in June and July.

Office Work—Calculations and Mapping, 5 hrs.

Water-Supply Engineering—3 hrs.

Mechanics—3 hrs.

Hydraulics—3 hrs.

Adjustment of Observations—3 hrs.

Roads and Pavements—1 hr.

Physical Geology—3 hrs.

German or French—3 hrs.

Military Science—Lecture, 1 hr.

SECOND TERM :—

Stresses—Bridges and Roofs, 4 hrs. to February 10th.

Designing—Roofs and Bridges, 5 hrs. after February 10th.

Sewer Design and Construction—3 hrs. first half-term.

Chemistry—Water Analysis, 7 hrs. first half-term.

Bacteriology—6 hrs. second half-term.

Sewage Disposal—3 hrs. second half-term.

Practical Astronomy—4 hrs. second half-term.

Interpretation of Water Analysis—1 hr. second half-term.

German or French—3 hrs.

VII. ENGINEERING PREPARATORY TO MINING

Professors RICHARDS, PENFIELD, PIRSSON, P. F. SMITH ; Assistant Professors HUNTOON, LOCKWOOD, MARSHALL, BARNEY, TRACY ; Dr. GRANVILLE, Dr. SHEPARD, Dr. MASON, Dr. CURTISS, Dr. FORD, and assistants.

This undergraduate course consists largely of studies in mathematics and in several lines of civil and mechanical engineering, and aims to give the student a satisfactory basis for a training in mining. Considerable attention is paid to mineralogy and crystallography during the Junior year, while the subjects of geology, petrology, ore deposits and ore dressing are taken in the Senior year.

It is expected that the course now outlined will be somewhat modified in the near future by the introduction of a large amount of practical work in both metallurgy and mining, when the facilities of the Hammond Metallurgical Laboratory (now nearing completion) become available.

A graduate course of one or two years in chemical, metallurgical, and mining subjects is desirable for those who wish to acquire a broad education in mining.

A more detailed description of the subjects of instruction in this course is given on pp. 232 to 260.

SCHEME OF STUDIES

JUNIOR YEAR :

FIRST TERM :—

Surveying—Field work, first 3 weeks in September.

Mapping—3 hrs. until November.

Differential Calculus—5 hrs.

Thermodynamics—2 hrs.

Descriptive Geometry—3 hrs.

Determinative Mineralogy—Laboratory work, 3 hrs.; to count as 1½ hrs.

English Composition—1 hr.

German—3 hrs.

French—3 hrs.

SECOND TERM :—

Integral Calculus—5 hrs. first half-term.

Theoretical Mechanics—5 hrs. second half-term.

Thermodynamics—2 hrs. until April.

Applied Mechanics—2 hrs. after February.

Drawing—3 hrs.

Determinative Mineralogy—3 hrs.

Crystallography and Descriptive Mineralogy—2 hrs.

English Composition—1 hr.

French—3 hrs.

German—3 hrs.

SENIOR YEAR :

FIRST TERM :—

Surveying—Field work, three weeks in June and July.

Mapping—First six weeks of term, 2½ hrs.

Mechanics—3 hrs.

Steam Engineering—4 hrs.

Strength of Materials—2 hrs.

Machine Designing—4 hrs.

Ore Dressing—2 hrs.

Geology—3 hrs.

French or German—3 hrs.

Military Science—Lecture, 1 hr.

SECOND TERM :—

Mechanics—3 hrs.

Steam Engineering—3 hrs. until about March.

Stresses in Structures—3 hrs. after February.

Hydraulics—3 hrs.

Machine Designing—4 hrs.

Ore Dressing—2 hrs.

Geology—3 hrs. second half-term.

Petrology and Economic Geology—1 hr.

French or German—3 hrs.

VIII. ZOOLOGY AND BOTANY

Professors VERRILL, S. I. SMITH, PENFIELD, WELLS, SCHUCHERT; Assistant Professors COE, EVANS, FOOTE; Mr. COMSTOCK, Mr. TARR, Mr. HEILPRIN, Dr. UNDERHILL, and assistants.

This course aims to prepare students for the work of teaching or investigation in various departments of Natural History. It also affords a suitable preparation for the graduate courses in paleontology. Either zoology or botany may be made the principal laboratory study, some attention in each case being directed to other branches.

Besides the regular course of recitations and lectures on structural and systematic zoology and botany, and on

special subjects, students are taught in the laboratories to prepare, arrange, and identify collections, to prepare sections and other microscopic objects, to make dissections and drawings, to pursue special investigations, and when sufficiently advanced, to describe genera and species in the language of science. Students are prepared to enter the available positions in the State Experiment Stations and other Government Laboratories. For purposes of instruction, large collections in zoology and botany belonging to the University are available.

Details regarding the studies of this course are given under SUBJECTS OF INSTRUCTION, pp. 232 to 260.

SCHEME OF STUDIES

JUNIOR YEAR :

FIRST TERM :—

Organic Chemistry—Lectures and Recitations, 2 hrs.

Qualitative Analysis—Recitations and Lectures, 4 hrs. Laboratory Practice, 15 hrs.

Mineralogy—Blowpipe Analysis and Determinative Mineralogy, 3 hrs.

Physical Geography—4 hrs.

English Composition—1 hr.

German—3 hrs.

French—3 hrs.

SECOND TERM :—

Zoology—Laboratory Practice, 6 to 12 hrs.; Recitations and Lectures ; Excursions (land and marine).

Botany—Laboratory Practice in a study of the Morphology of the lower Cryptogamous Plants, 3 hrs. during Spring half-term.

Physiology—Recitations and Lectures, 2 hrs.

Mineralogy—Blowpipe Analysis and Determinative Mineralogy, 3 hrs.

Physical Geography—2 hrs., during Winter half-term.

English Composition—1 hr.

German—3 hrs.

French—3 hrs.

SENIOR YEAR :

FIRST TERM :—

Geology—Recitations, 3 hrs.

Zoology—Laboratory Practice, 8 to 15 hrs.; Lectures, 2 hrs.;
Recitations, 3 hrs.; Excursions.

Morphology and Embryology of Vertebrates—Lectures and demonstrations, 6 hrs.

Botany—Laboratory Practice in the study of the Morphology of the higher Cryptogamous and Phanerogamous Plants, 6 hrs.

Meteorology—Lectures, 2 hrs.

French or German—3 hrs.

Military Science—Lecture, 1 hr.

SECOND TERM :—

Geology—Recitations, 3 hrs.

Anatomy of Vertebrates—2 hrs.

Zoology—Laboratory Practice, 8 to 15 hrs.; Recitations, 2 hrs.;
Lectures, 2 hrs.

Botany—Herbarium Studies, in any desired line ; Botanical Literature ; Essays in Descriptive Botany.

Bacteriology (optional)—2 hrs., second term.

Plant Physiology (optional)—Lectures and laboratory work.

French or German—3 hrs.

IX. MINERALOGY AND OTHER STUDIES PREPARATORY TO GEOLOGY

Professors PENFIELD, WELLS, PIRSSON ; Assistant Professors H. L. WHEELER, FOOTE ; Mr. COMSTOCK, Dr. FORD, Dr. JAMIESON, Dr. JOHNSON, and assistants.

Chemistry is an essential foundation for the study of Mineralogy, hence the course here offered is simply a modification of that in Chemistry, enabling students during the last half of their Senior year to specialize in subjects pertaining to mineralogy. The course is not intended for a large number of students, but rather for a few who may wish to pursue mineralogy as a science, or to make practical use of it in teaching or in connection with geological work. The course, therefore, is open only to students who have shown special aptitude for this par-

ticular kind of work and have maintained a high scholarship standing in the mineralogical and chemical studies of Junior year.

Details regarding the studies of this course are given under SUBJECTS OF INSTRUCTION, pp. 232 to 260.

SCHEME OF STUDIES

JUNIOR YEAR :

In Junior year the course is identical with that in Chemistry.

SENIOR YEAR :

FIRST TERM :—

During the first term the course is identical with that in Chemistry.

SECOND TERM :—

Crystallography, including the use of the Reflecting Goniometer, and the drawing and calculation of Crystals.

Optical Properties of Crystals and the use of the Polarizing Microscope—Laboratory Instruction and Practice, 20 hrs.

Mineralogy—Lectures, 2 hrs.

General Chemistry, Metallurgy, Assaying, and Gas Analysis—2 hrs.

Elementary Petrology—Lectures, 1 hr.

Geology—3 hrs.

French or German—3 hrs.

X BIOLOGY PREPARATORY TO MEDICINE

Professors CHITTENDEN, VERRILL, S. I. SMITH, PENFIELD, WELLS, MENDEL, SCHUCHERT; Assistant Professors BEACH, EVANS, COE, FOOTE; Mr. COMSTOCK, Dr. L. P. WHEELER, Dr. RETTGER, Dr. UNDERHILL, Dr. DEAN, Dr. FORD, and assistants.

The study of biology, together with chemistry and physics, constitutes the best and most natural line of preparatory work for the study of medicine. The course in Biology was, accordingly, organized in recognition of the fundamental importance which such preparatory training assumes for the most complete appreciation and intelligent understanding of the science of medicine in its broadest sense. To the prospective medical student the special

knowledge as well as the general training afforded are of distinct value; for the biological sciences so closely underlie the science of medicine and are so plainly the substructure on which the latter rests, that a broad and intelligent comprehension of the subject is almost impossible without some acquaintance with one or more of the biological sciences.

With these facts in view, less attention is given to systematic zoology and botany than to morphology and physiology. In morphology, special emphasis is directed to those subjects of which a knowledge is essential to the clear understanding of the physiological work which follows and of medical science in general. On the physiological side, the course provides more extensive study than is ordinarily offered. Considerable attention is devoted to laboratory work in physiological chemistry, and a one-sided view is thus prevented. The laboratory method of instruction is introduced wherever feasible in order to develop the powers of observation and train the hand and senses. It is the aim to teach the student self-reliance and the habit of independent observation and deduction while he is acquiring the knowledge needed to enable him to pursue with profit the professional studies of the Medical School.

This course is also pursued by those who desire a liberal training with a view to teaching various branches of biological science, without specializing as extensively as is done in the course in Zoology and Botany. Students are also fitted (especially after an additional year or two of graduate study) to take positions in research laboratories, hygienic institutions connected with Boards of Health, commercial laboratories for the preparation or analysis of foods, for serum manufacture, etc., as well as in Experiment Stations and the other Government laboratories.

Details regarding the studies pursued are given under **SUBJECTS OF INSTRUCTION**, pp. 232 to 260.

SCHEME OF STUDIES

JUNIOR YEAR :

FIRST TERM :—

Organic Chemistry—Lectures and Recitations, 2 hrs.

Qualitative Analysis—Laboratory Practice, 15 hrs.; Recitations and Lectures, 4 hrs.

Mineralogy—Blowpipe Analysis and Determinative Mineralogy, 3 hrs.

English Composition—1 hr.

German—3 hrs.

French—3 hrs.

SECOND TERM :—

Organic Chemistry—continued, 15 hrs. for four weeks and 2 hrs. for rest of term.

Comparative Anatomy and General Biology—Laboratory Practice, with lectures and demonstrations, 12 to 15 hrs.

Physiology—Recitations with demonstrations, 2 hrs., commencing the fifth week of the term.

Laboratory Physics—4 hrs. during Spring half-term.

Mineralogy—continued through Winter half-term, 3 hrs.

Botany—Lectures and Laboratory Practice, 3 hrs. during Spring half-term.

English Composition—1 hr.

French—3 hrs.

German—3 hrs.

SENIOR YEAR :

FIRST TERM :—

Physiological Chemistry and Physiology—Recitations and Lectures, 1 hr.; Laboratory Practice with demonstrations, 13 hrs.

Organic Chemistry—Lectures and Recitations, 2 hrs.

Zoology—Lectures, 2 hrs.

Morphology and Embryology of Vertebrates—Lectures and demonstrations, 4 hrs.

Geology—Recitations, 3 hrs.

French or German—3 hrs.

Military Science—Lecture, 1 hr.

SECOND TERM :—

Physiological Chemistry and Physiology—Illustrative Lectures and Recitations, 4 hrs.; Laboratory Practice and demonstrations, 13 hrs.

Experimental Toxicology—Lectures, 3 hrs. during Spring half-term.

Historical Geology—Recitations, 3 hrs. during Spring half-term.

Botany—Lectures and Laboratory Practice, 6 hrs. during Winter half-term.

Zoology—Laboratory work in the dissection of typical Animal Forms, 7 hrs. during Winter half-term.

Physical Chemistry—Lectures and demonstrations, 1 hr. during Spring half-term.

Bacteriology—Lectures and demonstrations, 2 hrs. during Spring half-term.

Plant Physiology—Lectures and Laboratory work (optional).

French or German—3 hrs.

XI SELECT STUDIES IN SCIENCE AND LITERATURE

Professors LOUNSBURY, VERRILL, CROSS, CALLENDER, SCHUCHERT;
Assistant Professors EVANS, KELLER; Mr. HEILPRIN, Dr. CHASE,
Mr. LEARNED, Mr. TARR, Dr. RETTGER, and assistants.

This course is intended for men who desire the essentials of a liberal as distinguished from a technical or special education. It is based largely upon a study of the physical sciences; but it also includes ample instruction in language, literature, history, and the social sciences. Continuing his preparatory training in mathematics and the languages, the student gains a knowledge of the elements of physics, chemistry, geology, zoology, and botany, with such applications of science as physical and commercial geography, meteorology, and public hygiene. He is thoroughly trained for three years in French, German, and English, in courses where attention is given to literature as well as to language. An elective is also offered in the Spanish language and literature. History is studied for two years, economics and anthropology for one year, and political science for a half-year. It is believed that a well selected course of studies designed to secure general training rather than specialization, should include all of these subjects, and that it is adapted to the needs of men who expect to engage in business, manufacturing, and banking, to enter professions like law and journalism, or to seek administrative positions in corporations or the public service.

This training can be taken to advantage under the conditions which prevail in the Sheffield Scientific School. In the first place it enables students who so desire to shorten the period devoted to general studies to three years. They can then either pass to further work here or elsewhere in the professional schools where specialization can always be done to greater advantage than in college, or go at once into practical affairs if they are to seek a business or administrative career. Second, the course, while not devoted primarily to science, is sufficient to give the student a training in the scientific method of study and accustom his mind to the scientific point of view. This is believed to be an element of great value in the training of men for business careers as well as for those professions which deal with the less exact and definite subjects of history, literature, and the social sciences. Finally, the prevailing method of instruction has many advantages. As the students are usually met in divisions of twenty-five or thirty men, the instructor may know his students individually and have free discussion with them in the class room. It is not necessary for him to sacrifice the disciplinary value of his subject to the mere acquiring of information as is the case where the lecture system must be largely used in the instruction of immature students. It is possible therefore in this course, for students to combine the advantages of life in a large university with those which are usually supposed to belong to the smaller college alone.

Details regarding the studies of the course are given under SUBJECTS OF INSTRUCTION, pp. 232 to 260.

SCHEME OF STUDIES

JUNIOR YEAR

FIRST TERM:—

Physical Geography—Lectures and written tests, 4 hrs.

English—Early English, 2 hrs.

Anthropology—2 hrs.

History—Medieval, 3 hrs.

English Composition—1 hr.

French—3 hrs.

German—3 hrs.

SECOND TERM :—

Astronomy—4 hrs. during Winter half-term.

Anthropology—2 hrs.

Botany—Lectures ; Laboratory Practice in the study of Phanerogamous Plants, 4 hrs. during Spring half-term.

English—Chaucer, Spenser, Shakespeare, 3 hrs.

History—Medieval and Modern, with special reference to the History of England, 2 hrs. during Winter half-term and 3 hrs. during Spring half-term.

English Composition—1 hr.

German—3 hrs.

French—3 hrs.

SENIOR YEAR :

FIRST TERM :—

Geology—Recitations, 3 hrs.; Excursions.

Meteorology—Lectures, 2 hrs.

English—Shakespeare, 3 hrs.

Economics—5 hrs.

Constitutional History of the United States—3 hrs.

French or German—3 hrs.

Military Science—Lecture, 1 hr.

SECOND TERM :—

Zoology—3 hrs. during Winter half-term, to be followed by *Historical Geology*, 3 hrs. during the remainder of the year.

Public Hygiene—Lectures, 2 hrs. during Winter half-term.

Economics—Recitations, Exercises, and Lectures, 2 hrs.; and *Political Science*, 3 hrs.

Constitutional History of the United States—3 hrs. during Winter half-term and 2 hrs. during Spring half-term.

English—Shakespeare, Milton, Dryden, Pope, Gray, and later authors, 3 hrs. during Winter half-term, 4 hrs. during Spring half-term.

French or German—3 hrs.

XII. STUDIES PREPARATORY TO THE STUDY OF FORESTRY

Professors BREWER, VERRILL, DuBOIS, GRAVES, TOUMEY, PENFIELD, PIRSSON, CALLENDER; Assistant Professors TRACY, BARNEY, EVANS; Dr. FORD, Messrs. TARR, and assistants.

This course comprises all the studies necessary for the pursuit of advanced technical work in Forestry. The work of Forestry at Yale prepares men to meet the large problems of forest organization at present confronting American foresters. Forestry in this country is in its infancy, and it is necessary that foresters should be equipped to organize large public and private forests, to assist in legislative work, to interest public opinion by writing and public speaking and to teach in forest schools, as well as to carry on practical work in the woods.

The profession of Forestry demands not only a knowledge of botany, geology, meteorology, zoology, physics, chemistry, engineering and mathematics, but also a liberal training in economics, English, French, German, and similar subjects.

In this course all these preliminary subjects are given and, in addition, enough technical forestry to enable the student to complete his professional training in one year after graduation. Graduates of the Sheffield Scientific School who have pursued this course may secure the degree of Master of Forestry at the Yale Forest School in one year, provided they take the summer work in Forest Mensuration and Silviculture given at Milford, Pennsylvania.

SCHEME OF STUDIES

JUNIOR YEAR :

FIRST TERM :—

Surveying—Field work, first 3 weeks in September.

Mapping—5 hrs.

Mineralogy—Laboratory work, 4 hrs.

Botany of Flowering Plants—Laboratory work, 4 hrs.

Economics—5 hrs.

Physical Geography—4 hrs.

English Composition—1 hr.

German—3 hrs.

French—3 hrs.

SECOND TERM :—

Strength of Materials—2 hrs. first half-term.

Spherical Trigonometry—2 hrs. first half-term.

Economics—5 hrs. first half-term, and 2 hrs. second half-term.

Political Science—3 hrs. during second half-term.

Practical Astronomy, with field work, etc.—4 hrs. during second half-term.

Botany of Flowering Plants—Laboratory work, 4 hrs.

English Composition—1 hr.

German—3 hrs.

French—3 hrs.

SENIOR YEAR :

FIRST TERM :—

Meteorology—Lectures, 2 hrs.

Physical Geology—Recitations, 3 hrs.

Morphology of Plants—Laboratory work and informal lectures, 6 hrs.

Zoology—Lectures, 2 hrs.

Forest Botany—Lectures, laboratory work and excursions, 2 to 4 hrs.

Hydraulics—3 hrs.

French or German—3 hrs.

Military Science—Lecture, 1 hr.

State and National Forestry, 6 special lectures.

SECOND TERM :—

Physical Geology—Recitations for 8 weeks of first half-term, 3 hrs.

Morphology of Plants—Laboratory work and informal lectures, 6 hrs. during Winter half-term.

Forest Botany—Lectures, laboratory work, and excursions, 2 to 4 hrs.

Silviculture—Lectures, 3 hrs. second half of term. Field work.

Elementary Petrology—Lectures, 1 hr. first half-term.

Forest Physiography and Meteorology—Lectures, 4 hrs. during first half-term.

Forest Hydrography—4 to 6 special lectures during second half-term.

German or French—3 hrs.

In second half-term there will be outside Field work in Forestry and Thesis work.

SUBJECTS OF INSTRUCTION

ENGLISH LITERATURE AND COMPOSITION

Professors LOUNSBURY, CROSS ; Dr. NETTLETON, Mr. CANBY, and assistants.

ENGLISH LITERATURE.—The courses in English literature are designed, first of all, to lay the foundation for that culture which comes from direct acquaintance with literary masterpieces. To this end representative authors of different periods are read and studied for their art and their thought rather than for any of the extraneous purposes that may enter into the study of literature. At the same time, writers like Chaucer, Shakespeare, and Browning, are taken up in chronological order with the view to keeping the proper historical perspective and to calling attention to some of the main lines in literary developments.

During Freshman year the subject is required of all students. The work begins with an elementary course in the *History of the English Language*, which besides being a body of information valuable in itself, serves as an introduction to the systematic study of literature that follows and continues to the end of the year. Two of Shakespeare's plays—usually the comedies—are carefully read and commented upon; and then several comedies of the eighteenth century, as Goldsmith's *She Stoops to Conquer* and Sheridan's *Rivals* and *School for Scandal*. The drama is succeeded by selections from the nineteenth century poets, usually from Scott, Byron, Browning, and Tennyson. The work varies considerably in detail from year to year, but it remains the same in spirit and in general scope.

In the Course of Select Studies, English Literature is one of the prescribed subjects for the entire Junior and Senior years. During the first term of Junior year, extracts from Early English authors are read and Early English Grammar is studied, so as to familiarize the student with the inflections then in use and the distinctions existing between the leading dialects. It is the aim of the term's work to give such knowledge of forms, and to some extent of words, that the student will be able to read at sight any Early English author whose writings do not involve special difficulties of language or vocabulary. For the rest of the course, till the end of Senior year, the following authors are read: Chaucer, Bacon, Shakespeare, Milton, Dryden, Pope, Gray, Goldsmith, and later writers. Those mentioned in the list are always studied, but other authors not named are also taken up,

the course varying somewhat in different years. In all cases, complete works of a writer are studied, not extracts ; as, for instance, several of Chaucer's *Tales*, and several of the plays of Shakespeare.

Taken in connection with the work of Freshman year, this course covers the most representative writers from Chaucer to Tennyson and Browning.

ENGLISH COMPOSITION—Throughout Junior year English composition is required of all the class. During the fall term fortnightly lectures on the fundamental principles of exposition alternate with fortnightly appointments for personal criticisms of the required themes. As a part of this work selections from standard authors are read and analyzed.

During the last half of the year lectures are given on description and narration, supplemented by other lectures on such special topics as "Editorial Writing," "Book Criticisms," and "The Structure of the Drama." In connection with these lectures, reading is assigned in representative prose authors. Lamb, Irving, Thackeray, Hawthorne, Poe, and Stevenson, are discussed and read in part. After the Christmas vacation the class is divided, according to scholarship and inclination, into twelve or more sections, and the course is made, to some degree, elective. For each section, work in the study and composition of English prose is given according to its needs. Besides the continuation of the simpler methods used in the fall term, more extensive courses in writing, based upon a study of representative essays, or of selected plays, or of the various types of narrative, are offered to the students. A course of frequent themes concluding with an extensive piece of research work is open to students of high scholarship standing who desire special preparation for the thesis work required for Senior honors.

Considerable freedom is allowed to the individual student in choice of subject for themes and in method of treatment, and especial help is given to contributors to the different undergraduate publications. While the primary aim of the course is to impart the ability to write simple, forceful English, the attempt is also made to increase the student's knowledge of the best English prose and to enable him to criticise it intelligently.

FOREIGN LANGUAGES

German : Professor CORWIN, Dr. GLASCOCK, Dr. THORSTENBERG, Mr. WARD.

French : Assistant Professor CLARKE, Messrs. LUQUIENS, ROBBINS, J. P. RICE.

Spanish : Mr. LUQUIENS.

German and French are studied for two years by every member of the School. That language which the student offers at his examination for entrance is studied until the end of Junior year. The other language is begun at the opening of Junior year and studied until the end of the course. Thus each student has either German or French during Freshman and Senior years, and both languages during Junior year.

GERMAN—This department has a twofold purpose, to prepare the student to use the language easily and intelligently for those purposes which his course may require, and to supplement the practical training of his special studies by securing some of the important disciplinary results of linguistic and literary study. A systematic and thorough study of the structure of the language is made the point of departure and essential basis for all work. This consists chiefly in the study of assigned texts, in written and oral translation into German, in translation at sight and in constant reading aloud, with the ultimate purpose of making the rendering into English unnecessary. In the work of translation careful attention is given to exactness and form of expression, and the student is made acquainted with the resources of his own language. The subjects of derivation, composition, and the relation of German and English are systematically studied with reference both to their practical aid in the acquisition of a vocabulary and to their scientific value in the establishment of correct ideas of the nature and growth of language. While it is not a primary aim, the course seeks to lay the foundation for the colloquial use of the language by imparting a familiar knowledge of grammatical forms, by the reading aloud of German texts, both by instructor and student, and by oral exercises based on the reading of the day.

The cycle of texts used differs somewhat with each class. The plan is to familiarize the student with some of the best specimens of modern prose and poetry, aiming in this selection to introduce him to a sufficient number and variety of works to overcome the usual difficulties of style and vocabulary, and give him some insight into the most important phases of German life and literature. With the more advanced divisions, towards the end of the course, some masterpiece of German literature is critically studied, and incidentally some knowledge is gained of the history and present state of German literature.

Opportunity for advanced or special work is offered as occasion requires.

FRENCH—The chief purpose of the instruction in French is to give a ready and accurate reading knowledge of the language, such as will be of use to the student in scientific or other investigation, both while in the University and in after life. At the same time, most careful attention is devoted to imparting a correct pronunciation and to colloquial forms, so that, in case of foreign travel or subsequent study of French no time need be lost in the repetition of elementary work. The value of the course as a disciplinary drill and as a means to general culture is always kept clearly in view.

With those beginning the subject, grammar is reduced to its simplest terms; only the grammatical forms, and the few main principles are insisted upon, without which no accurate translation is possible. Some continuous text of interesting character is taken up early in the first year. Then follows translation of representative authors, generally modern, alternating with prose composition, further acquirements in grammar, and such attention to the Latin origin of the language as may help to fix vocabulary in mind.

Students offering French at entrance are assumed to have been sufficiently grounded in the rudiments. They, therefore, are required to read a somewhat greater amount of text, including specimens of the classic period. With both categories of students attention is given to scientific French of a general nature, and its vocabulary is especially impressed.

At the discretion of the instructor, students sufficiently advanced take up a manual of French literature, and while a dry list of names and dates is avoided, they are put in possession of such a connected account of the development of French life and letters and of the salient literary periods as will prove a guide in future reading.

SPANISH—This course, which is elective, extends through two years. The first year (Elementary Spanish) consists of three recitations a week from January to June; the second (Advanced Spanish), of two recitations a week throughout the whole college year.

The aim of the course is to give those students who are looking forward to work in Mexico, the West Indies, or the Philippine Islands, the ability to read modern Spanish easily and accurately, in order that later they may be able to put this power to a practical use, either as an aid in business affairs, or as a solid foundation for the attainment of speaking power.

Schilling's Spanish Grammar is used. As soon as the first elements of grammar are mastered, reading is commenced, and thenceforth throughout the first year of the course each lesson is a combination of grammar work and reading of modern authors. A good pronunciation is insisted upon, inasmuch as it aids greatly in the acquirement

of a vocabulary, and will also be of practical use in case of travel or residence in Spanish-speaking countries.

During the second year the reading work is supplemented by practice in composition. Especial attention is given to commercial Spanish, the students being exercised in the reading and writing of business advertisements and letters.

MATHEMATICS

Professor P. F. SMITH, Dr. GRANVILLE, Dr. MASON, Dr. CURTISS, and assistants.

The studies in Mathematics are based upon thorough preparation in all mathematical subjects required for entrance. No review in any of these is given, but all students in the Freshman class begin at once the study of Plane Analytic Geometry, and continue this throughout the Fall and Winter terms. In the Spring term, students electing engineering courses (Group I) begin and finish Solid Analytic Geometry. Those electing other courses (Group II) take up Elementary Calculus, and therewith complete their mathematical studies.

Students in the engineering courses continue their mathematical studies throughout the Junior year. These are Differential Calculus (Fall term), Integral Calculus (Winter term), and Theoretical Mechanics (Spring term).

Several optional courses are offered, however, adapted to the needs of any desiring to add to their proficiency in the use of mathematics as a tool, and also of such as intend to pursue advanced courses. Among these optional courses may be mentioned that in Scientific Computation, one peculiarly helpful to the practical engineer. Several calculating machines in the possession of the School are used in the course for purposes of illustration.

Undergraduate instruction in mathematics is carried on entirely by recitations from the following text-books:—Elements of Analytic Geometry, by P. F. Smith and A. S. Gale; Elementary Calculus, by P. F. Smith; Elements of Differential and Integral Calculus, by W. A. Granville; Theoretical Mechanics, by O. C. Lester.

Students are required to do a large amount of problem work in note-books made specially for this purpose. These books are handed in weekly for reading and correction by assistants. No attempt is made to treat any topic exhaustively. The aim of the instruction is strictly to train and drill the student so that he may acquire skill and facility in using mathematics as a tool. It is believed that the engineer should be a practical rather than theoretical mathematician.

Numerous models owned by the School are made use of in the class room. The large Hillhouse Mathematical Library, a part of the library of the School, is at the disposal of all students.

CHEMISTRY

Professors MIXTER, WELLS, CHITTENDEN, MENDEL; Assistant Professors WHEELER, WALDEN, FOOTE; Mr. COMSTOCK, Dr. JOHNSON, Dr. JAMIESON, and assistants.

The instruction in the various branches of chemistry is for the most part given in the SHEFFIELD CHEMICAL LABORATORY, the courses in Physiological Chemistry and Toxicology being given in the laboratory of physiological chemistry in the SHEFFIELD BIOLOGICAL LABORATORY.

CHEMISTRY OF FRESHMAN YEAR—There are three courses in chemistry offered to the members of the Freshman class :

- (a) For those who do not offer chemistry as a subject for entrance.
- (b) For those who offer chemistry as a subject for entrance.
- (c) For those who, by passing a special examination, show themselves able to take up more advanced work.

Course a—The exercises consist in recitations from a text-book, lectures and laboratory work. The object of the experimental work is to facilitate the study, and to train the students in the observation of phenomena, and in manipulation. Notes are required and the students are questioned on the experiments.

Course b—In the first term, a systematic review of general chemistry is undertaken, during which the more important points of modern chemical theory are elaborated. In the second term qualitative analysis is taken up, special attention being given to gaining familiarity with chemical reactions by experience in the laboratory and by application of the theory already studied.

This course is designed to anticipate part of the work of Junior year in qualitative analysis ; and an opportunity will be afforded to those students who wish to devote extra time to the subject, to complete the regular Junior work in qualitative analysis.

Course c—Students who are properly qualified may satisfy the requirements of course *a* by an examination at the beginning of Freshman year. These students will have a course in qualitative analysis which will be equivalent to the qualitative analysis of Junior year.

The Juniors in the biological, chemical and metallurgical courses who have taken a part or all of qualitative analysis as prescribed in courses *b* and *c*, will begin quantitative work at the opening of the Fall term or early in the year and thus be able to devote more time to special work later in the course.

ANALYTICAL CHEMISTRY—*Qualitative Analysis.* This subject is taken during the whole of the first term of Junior year in the courses in Chemistry, Metallurgy, Biology, Zoology and Botany, and Mineralogy. The student spends three consecutive hours in laboratory work during five days of the week, and the laboratory is open all day for the benefit of graduate students and others who desire to devote more time to the subject. There are also four class-room exercises per week, consisting of experimental and explanatory lectures, and recitations. Every effort is made to avoid mere thoughtless, mechanical laboratory work on the part of the student, and to give him an insight into the chemical principles involved in the processes studied.

There is probably no branch of chemical study as important as qualitative analysis in its use in developing the reasoning faculties, and enabling the student to generalize and to classify chemical phenomena. Besides this, a practical knowledge is gained of methods which are applicable to scientific or technical researches.

Quantitative Analysis—This subject is pursued for a year or more in the Chemistry, Metallurgy, and Mineralogy courses. It involves fifteen hours per week of laboratory work as a minimum, supplemented by lectures and recitations. Analyses by both gravimetric and volumetric methods are carried out in the laboratory. The methods selected are such as appear to be most typical, and important in their practical applications. Much attention is paid to accurate and skillful manipulation, and to the proper understanding of the scientific principles involved.

This general course of quantitative work is followed in the course in Metallurgy by Metallurgical Analysis, in which some of the important technical methods for the analysis of ores, slags, fuels, metals, alloys, etc., are learned practically.

INORGANIC PREPARATIONS—This is a course of laboratory work, with lectures and recitations, which gives experience in the preparation and purification of many inorganic compounds, illustrating important chemical principles as well as commercial operations. The student acquires practice here in working with larger quantities than in analytical operations, and has a different object in view, namely, to obtain good products without the necessity of avoiding slight losses of substance.

CHEMICAL CALCULATIONS—This subject is taught in close connection with quantitative analysis, for it treats chiefly of the arithmetical side of this work. An effort is made to develop the student's reasoning-power, and to make him quick and accurate in the use of figures.

SANITARY WATER ANALYSIS—This subject is required in the course in Sanitary Engineering, and is optional for the students in Chemistry. It comprises a complete practical course of laboratory work, supplemented by lectures and recitations.

GENERAL AND THEORETICAL CHEMISTRY—This subject occupies three hours a week during the first term of the Senior year in the courses in Chemistry and Metallurgy. Remsen's *Inorganic Chemistry* is used as a text-book, and regular recitation work is supplemented, as occasion demands, by lectures. The course is designed to present to the student such a general view of Inorganic Chemistry as will enable him to appreciate the investigations which are being carried on at the present time in this department, and will also give him a knowledge of the fundamental principles involved in the chemical processes used in the arts.

PHYSICAL AND ELECTRO-CHEMISTRY—These subjects occupy three hours a week throughout the second term and consist of recitation work supplemented by occasional lectures. The ground covered includes the most important theories and methods of the subjects. Jones' *Elements of Physical Chemistry* is used as the text-book. Opportunities for special laboratory work are given to students who are sufficiently advanced. During the second term a course of ten lectures is given on physical chemistry with special reference to biology.

PHYSICO-CHEMICAL MEASUREMENTS—This subject includes laboratory practice in the more important methods of physical or electro-Chemistry.

ORGANIC CHEMISTRY—The course in Organic Chemistry is a combination of text-book work with experimental lectures. The class including the members of the courses in Chemistry and Biology has two exercises weekly from the commencement of Junior year to the end of the first term of Senior year. Laboratory work in this department of Chemistry is required during the second term of Junior year and is required of the members of the Chemical course during the latter half of the second term of Senior year. Opportunity is also afforded for the carrying on of original investigations in this subject, either in connection with theses, or as a part of the regular work in the case of advanced students.

PROXIMATE ORGANIC ANALYSIS—The purpose of this course is partly to familiarize the student with the chemical and microscopical methods for determining the value and purity of vegetable and animal products and partly to give him a general idea of their nature and

composition. During the first five weeks of the second term of the Senior year, twenty-five exercises of three hours each are devoted to the analysis of cereals, oil seeds, milk, butter, fats, oils, sugar products, alcoholic liquors, tea, coffee, spices, tannin materials, etc. Attention is given not only to the quantitative determination of protein, oil, starch, cellulose and other constituents of vegetable materials, but also to the appearance of these constituents under the microscope and the identification of adulterants by microscopic examination. A special course, extending through the latter half of the term, is offered to those who wish to carry on further work in this line, the instruction being adapted to the needs of each student.

PHYSIOLOGICAL CHEMISTRY and TOXICOLOGY—For details regarding the courses in these subjects see p. 252. For reference to instruction on the chemistry of plants, consult p. 253, under Plant Physiology.

METALLURGY—This subject is included in the Chemistry course and in the course preparatory to Metallurgy. The class-room work consists of three exercises a week during both halves of the second term of Senior year. A text-book is used, but this is supplemented to a considerable extent by lectures. Particular attention is paid to the chemical principles involved in the processes used for the extraction of all the important metals from their ores. It is expected that certain practical features will be introduced in this course after the completion of the Hammond Metallurgical Laboratory in 1905.

ASSAYING—A series of lectures is given to the members of the Chemistry and Metallurgy courses on the fire-assay of ores, particularly those of gold and silver, and the students in the Metallurgy course are required to do a considerable amount of practical work in fire-assaying. This practical work will be made more extensive when the Hammond Metallurgical Laboratory is available.

GAS ANALYSIS—The more important methods of technical gas-analysis are taught in a practical manner in connection with the study of metallurgical analysis in the course in Metallurgy. The students of the Chemistry course are also required to attend the lectures on this subject.

ENGINEERING STUDIES

The work of instruction in the courses in Engineering is carried out in the well equipped laboratories, apparatus, engine and boiler rooms in WINCHESTER HALL. This building was erected in 1892 by Mrs. Jane Ellen Winchester as a memorial of her husband, Oliver Fisher Winchester, one of the earliest friends and benefactors of the Sheffield Scientific School.

CIVIL ENGINEERING

Professor DuBois, Assistant Professors BARNEY, TRACY; E. L. TAYLOR, Jr., C.E., E. M. T. RYDER, C.E., and assistants.

The School has secured a large tract of land in the town of Orange, on the line of the Derby Railroad, for the use of the classes in Surveying. The department is adequately equipped for the special work which it aims to teach.

SURVEYING AND FIELD ENGINEERING—A three weeks' course of practical instruction in field-work is given in both the Junior and Senior years. This instruction for the year 1905 for the Senior year begins on Monday, June 19th, and for the Junior year on Monday, September 4th.

In the Junior year, the three weeks before the beginning of the fall term are spent in uninterrupted work in the field. The course is then continued, two afternoons a week, with lectures, recitations, and work in the drawing room.

Land, topographical, stadia and city surveys are made, plotted, checked, traced, and blue-printed. Levels are run and profiles drawn. Special problems likely to occur in practice are taken up in the field and in the class-room. The field-work is arranged so that each student receives a thorough drill in the use of the instruments, including the transit and the level.

DRAWING AND DESCRIPTIVE GEOMETRY—Drawing is begun at once in the first term of Freshman year, under the charge of the Professor of Drawing in the Art School, and includes practice in free-hand drawing. In the second term, under the Instructor in Engineering the students take isometric drawing with application to drawing from models and structures by measurements, shading, tinting, conventional use of colors, principles of orthographic projections, and practice in making simple working-drawings, 4 hours both terms.

The Drawing of Junior year, 16 hours both terms, includes Descriptive Geometry, the drawing of structures from measurement, and elements of design for simple structures. The instruction is by recitations, lectures, practical exercises, and models, and is under the charge of the Professor and Assistant in Civil Engineering. Included in the work of this year is also the mapping of surveying field-notes, 7 hours, first term.

In Senior year, the drawing consists of the mapping of the surveys of that year, and the designing of structures and finished drawings, designs, and estimates, under the charge of the Professor and Assistant in Civil Engineering, 6 hours both terms.

RAILWAY ENGINEERING—In the three weeks in June and July before the beginning of the first term of Senior year, a line of railroad is located and set out from a contour map previously obtained, grades and curves established and set out, and computations made. The theory of economic location is taught by lectures and recitations in connection with the field-work. The work is arranged so that each student has sufficient practice in all the various operations. The course is under the charge of the Professors in Civil Engineering, aided by several assistants.

MECHANICS OF ENGINEERING—Senior year, 6 to 8 hours, both terms. The method of instruction is by means of text-books in connection with lectures and solutions of practical problems in illustration of the various topics. The course includes thorough instruction in the strength of materials, the stability of foundations, retaining walls, dams and embankments, and masonry arches, by lectures and graphic methods. Questions of hydraulics, water-supply, the measurement of discharge, and the theory and construction of water-motors receive attention.

CONSTRUCTION AND DESIGN—Senior year, 4 hours second term. A thorough course is given in the determination of stresses and the detailed design of roofs, bridges, etc., with working-drawings, specifications, and estimates. Visits of inspection are made, and recitations and lectures held in connection with the work in the drawing room.

ROADS AND PAVEMENTS—This course consists of a series of lectures on the different methods of road and pavement construction and their adaptability to varying local conditions.

ADJUSTMENT OF OBSERVATIONS AND ASTRONOMY—This course covers the adjustment of the usual class of precise field observations by the

method of least squares, together with the methods of determining time, latitude, and azimuth adapted to the sextant and field transit.

Students of Civil and Sanitary Engineering during the second half of the second term of their Senior year, and students in the course preparatory to the study of Forestry in their Junior year, have 4 hours per week including practical experience in the determination of time, azimuth, latitude, longitude, etc.

Reference to the instruction in MASONRY is made on p. 247.

MECHANICAL ENGINEERING

Professor RICHARDS, Assistant Professors LOCKWOOD, MARSHALL; S. W. DUDLEY, M.E., Dr. SHEPARD, and assistants.

THERMODYNAMICS (Junior Year)—Instruction is given by recitations and lectures on the mechanical theory of heat and the application of the theory to the discussion of the behavior of steam, air and explosive gases as they are used in the production of power. The principles involved in the action of refrigerating apparatus are also discussed.

PRINCIPLES OF MECHANISM—This is a course in applied Kinematics. Instruction is by text-books and lectures, illustrated by diagrams and models, an extensive collection of which belongs to the School and is accessible to the student.

DESCRIPTIVE GEOMETRY is taught in the draughting room by lectures and recitations and by exercises at the drawing board where problems are solved graphically by the student. Applications of the principles are made to the representation of intersections of curved surfaces, the penetrations of solids and the envelopes of solids which penetrate each other.

DRAWING (Junior Year)—The exercises in drawing are at the drawing board, where instruction is given to the student, individually, in methods of designing and representing machine elements and simple apparatus. Text-books, models and cartoons are used, representing examples of approved practice.

SHOP-VISITING—The student, accompanied by the instructor, is employed in studying machinery in use and in process of construction in different machine-shops in the city. He is required to make satisfactory, carefully dimensioned sketches, from measurements taken by himself, of the complete machines and their parts, and to describe the tools and mechanical operations used in producing the simpler pieces.

APPLIED MECHANICS (Junior Year)—The Mechanics of Machinery is the dominant subject of this course, and much attention is given to

the solution, by graphical methods, of problems relating to link work in which the forces acting upon the mechanism are taken into account and the angular velocities of the links determined.

MECHANICS (Senior Year)—This course comprises a continuation of the analytical treatment of mechanical principles to which the Theoretical Mechanics of the Junior year relates ; but the subject is carried into advanced fields, and numerous applications to practical problems are made, special attention being given to those in which the friction of mechanisms is taken into account.

STRENGTH OF MATERIALS—This is a course on the theory of the subject as applied to the strength and elasticity of structural elements such as riveted pieces, beams, columns and shafts, and to the strength of boilers and pipes. Demonstrations of the operation of testing machines are given in the testing laboratory.

STRESSES IN STRUCTURES—Graphical and analytical methods for determining stresses in the members of simple framed structures such as roofs, cranes, etc., are taught in this course.

MACHINE DESIGN—The course in this subject consists chiefly in practical exercises at the drawing board, and partly in lectures on the functions of machines and the mechanical principles which are applied in determining the proportions of machinery. The student, under the guidance of experienced instructors, is employed in making complete working-drawings of machines, many examples of which are in the drawing rooms and the basements of the School. He does not copy the examples, but is required to change the dimensions and in many cases to alter the design, and is ultimately taught to make partly new designs of important machinery, such as cranes, yacht engines machine tools, boilers, etc. The discipline the student receives is such as he would obtain in the drawing office of an engineering establishment, while he is also carefully instructed in the theory of the subject he deals with, and in the practical bearing of all his work.

STEAM ENGINEERING AND HEAT ENGINES IN GENERAL—Recitations and lectures on these subjects relate to the application of thermodynamics to the discussion of practical problems presented in the design of steam, hot air and gas engines, and deal with the mechanical principles involved in the mechanism of such engines. The study of steam boilers follows that of engines.

Indicator practice affords opportunities to the student to apply the indicator to various engines in operation and gives him experience in reading indicator cards, measuring them by the planimeter and com-

puting indicated power. Complete Boiler Tests, in connection with Indicator and Brake Tests of an engine, all conducted by the students themselves, form part of the course.

HYDROSTATICS AND HYDRODYNAMICS—This course deals, by lectures, recitations and drawing exercises, with the theory of the subject and with its application to practical problems, a special example of which is the determination of the displacement of ships and of the power required to propel them. The study of water wheels and turbines receives special attention.

In the laboratory, experiments upon the flow in channels and pipes and through apertures, and tests of the power and efficiency of small water wheels and turbines are made by the students. In this connection, correct methods of measurement are carefully taught.

MUNICIPAL AND SANITARY ENGINEERING

Professor DuBois, Assistant Professors BARNEY, TRACY, and assistants.

The instruction in the subjects pertaining directly to Municipal and Sanitary Engineering is given in the lecture rooms and laboratories of WINCHESTER HALL, with the exception of the chemical and bacteriological studies. The latter are taught in the SHEFFIELD CHEMICAL LABORATORY and in the Bacteriological and Hygienic Laboratory in SHEFFIELD HALL. With reference to the work in Surveying more detailed statements will be found in the description of the studies in Civil Engineering.

DRAWING—In addition to the free-hand and instrumental drawing of the Freshman year, instruction in Descriptive Geometry, by recitations and the graphical solution of problems on the drawing board, is given in the Junior year, personal instruction being given to each student. Included in the work of both Junior and Senior years is also the mapping of all surveys made by the class, and the bridge drafting.

FIELD ENGINEERING—The entire available time for three weeks in both Junior and Senior years is devoted to a course of practical instruction in field-work. This course for the year 1905 for the Senior year begins on Monday, June 19th, and for the Junior year on Monday, September 4th.

In Junior year the work covers the use and adjustment of instruments, the making of land, topographical, stadia, city surveys, and

leveling. The field-work is so arranged as to give each student a thorough drill in the use of the instruments. In the second term of the year a course consisting of lectures and recitations is given dealing with the calculation of earthwork and with track-work, giving especial attention to street railway requirements.

In Senior year a system of triangulation is laid out over a convenient watershed and with this as a basis a topographical and hydrographical survey is made; all the principal methods for locating topographical or other details, as by transit, stadia, or plane table, being employed in different parts of the work, the leveling being done with the Y-level, hand-level, and vertical angles. A portion of the time is also devoted to staking out curves, switches, etc., with especial reference to street railway requirements. The work is arranged so as to give each student sufficient practice in each of the methods employed under the immediate supervision of an instructor and then to throw him gradually upon his own responsibility.

ROOFS AND BRIDGES—The course of instruction in roofs and bridges consists of two parts; first, the computation of stresses in all the standard forms of simple roof trusses and bridge trusses by both the algebraic and graphic methods; second, the fundamental principles of design applied to beams, girders, floor-systems, riveted connections, pin-connections, railway trusses, highway trusses, and roof trusses.

Visits of inspection and lectures supplement the work in the drawing room, but the larger part of the time is spent by the student in actually computing and designing under the direction of the instructor.

WATER SUPPLY ENGINEERING—This course treats of the varying quantity of water required by different classes of cities and towns, the methods of collecting and distributing the same, methods of judging its quality and its effect on the public health, sources of contamination and methods of filtration, and in connection with hydraulics the designing of pipe systems.

HYDRAULICS—The method of instruction is by means of recitations and lectures supplemented by illustrative experiments on the apparatus available. Special attention is given to questions in regard to the flow and discharge of streams, pipes, and sewers.

SEWER DESIGN—In this course instruction is given, by lectures, in the various methods of sewer design and construction suited to typical cases, illustrated by existing systems, and followed by requiring the student to design a system to meet simple requirements.

SEWAGE DISPOSAL—This subject is treated by lectures on the various methods adopted in practice with their results, considered both from an engineering and sanitary point of view, supplemented by visits to plants in operation in the immediate vicinity.

MASONRY CONSTRUCTION—The course includes instruction in the properties of the component materials, the details of the construction and calculation of the stability of foundations, retaining walls, dams and arches. Each student is also required to make the usual tests of cement and mortar.

CHEMISTRY AND BACTERIOLOGY—In these subjects practice is given in the chemical and biological laboratories, the student is instructed in the methods of water analysis, and is taught to observe and identify the various organisms present in natural and contaminated waters; the main object being to give such instruction as will enable the student to interpret properly the results of water analysis.

MECHANICS—The method of instruction is by means of text-books in connection with lectures and solutions of practical problems in illustration of the various topics.

Reference to the instruction in **ADJUSTMENT OF OBSERVATIONS, ROADS AND PAVEMENTS, ASTRONOMY** is made under the Studies of Instruction in **CIVIL ENGINEERING**, on p. 242.

PHYSICS AND ELECTRICAL ENGINEERING

Professor **HASTINGS**, Assistant Professors **BEACH**, **BUMSTEAD**; Dr. **L. P. WHEELER**, Dr. **RICE**, Dr. **LESTER**, and assistants.

The instruction in these subjects is given in the lecture rooms and laboratories of **WINCHESTER HALL**.

PHYSICS—The course in Physics may be regarded as extending through the three years of undergraduate study, although after the first year the work, in accordance with the general plan of the institution, is so specialized that practically only engineering students find it within their reach.

In Freshman year all students attend lectures and recitations on General Physics throughout the year. In the recitations a text-book is used which covers the whole subject, as ordinarily understood, with rather unusual emphasis upon the elementary theory of mechanics, on account of its universal utility as well as its educational value. The subjects of Heat and Electricity follow in the order named. In

these the aim is to impart a general philosophical knowledge of the phenomena and of the laws governing them rather than a knowledge of the methods used in laboratories of research and of the technical applications.

The subjects of Sound and Light are associated on account of their intimate relationship as sensations ; thus, less obviously founded upon the basis of mechanics, they receive a different treatment in which more stress is placed upon the physiological aspects of the phenomena.

The lectures are especially designed to enable the student to become familiar by personal observation with nearly all of the phenomena of physics which have proved important in the development of physical theories.

There is a brief course in elementary laboratory work given to classes in Biology in their Junior year.

ELECTRICAL ENGINEERING—Although the General Physics of the Freshman year may be regarded as preliminary to all courses in applied science, it attaches itself more intimately to that in Electrical Engineering. The time in the Junior year, as far as it has immediate bearing on applied science, is spent in acquiring a necessary knowledge of mathematics and the means of employing such knowledge in the study of advanced Physics. The courses in *Theory of Heat* and *Theory of Electricity*, which together extend through the year, serve this purpose as also to enlarge the student's knowledge in these important fields.

In the Senior year students who pursue Electrical Engineering, as well as such others as are properly qualified and apply for the privilege, have a thorough course in the physical laboratory where they may become proficient in the command of all the more important instruments and methods used in measuring physical magnitudes. The theory and use of typical instruments are taught in a series of lectures simultaneously with the laboratory practice. This course is followed by one on the Theory of Electricity with special attention to the application of the science to the arts.

The later portion of the laboratory work is largely given to the study of electrical machinery such as is in actual use. This work is supplemented by a course on *Dynamo Construction*.

A course on the *Theory of Observations*, including the method of least squares as applied to physical investigations, is given every year. This is open to Graduate Students and to Seniors in Electrical Engineering.

The other subjects such as: *Machine Design*, *Shop-Visiting*, *Steam Engine*, etc., which are taught in connection with the course in Electrical Engineering, are referred to under the subjects of instruction in **MECHANICAL ENGINEERING**, pp. 243 to 245.

MINING STUDIES

Professors HAMMOND, RICHARDS, Assistant Professor HUNTOON, and assistants.

The various studies more directly connected with Mining Engineering and Metallurgy will soon be taught in the HAMMOND METALLURGICAL LABORATORY which is now approaching completion. This building, the gift of Prof. John Hays Hammond (Sheffield Scientific School 1876), is devoted entirely to the subjects of Mining, Metallurgy and Ore Dressing. It will contain well equipped laboratories, research rooms and collections, as well as a departmental library and a museum illustrating the various features of the applied sciences. The laboratories have been planned to give a thorough training in the practical work of assaying and the treatment of ores, and will contain small sized dressing appliances for laboratory work and full sized appliances for ore dressing on a commercial scale.

ORE DRESSING—This course includes lectures, recitations and laboratory work. The lectures cover the general principles, theory of dressing, physical properties of minerals and the application of these properties in separations, the ordinary operations including hand dressing, crushing, sizing, jigging, classifying and slime treatment. Typical dressing works are described and discussed so as to impress upon the student the necessity of different treatment with different ores.

The laboratory work will consist of sampling, panning of gold bearing gravel and studying the effect of crushing an ore containing brittle minerals. The latter will cover screen tests, hand picking, jigging, classifying and slime treatment. Assays in this department will be made by vanning.

As soon as the facilities of the Hammond Metallurgical Laboratory are available the course will be enlarged, and the student will be trained in the adjustment and operation of full-sized concentrating machinery and the making of working tests.

Further details regarding the subjects of instruction will be found under the studies in Mechanical Engineering, pp. 243 to 245.

BIOLOGICAL SCIENCES

Professors VERRILL, S. I. SMITH, CHITTENDEN, MENDEL; Assistant Professors EVANS, COE; Dr. RETTGER, Dr. UNDERHILL, Dr. DEAN; and assistants.

The instruction in the various biological sciences is given in laboratories and lecture rooms located in the following buildings: PEABODY MUSEUM, containing the laboratories for Zoology and Paleontology, in connection with the extensive collections belonging to the Museum; SHEFFIELD HALL, containing the laboratories for Botany, Plant Physiology, Bacteriology and Hygiene, as well as the herbarium and botanical library of the late Professor Eaton, the Swan herbarium and the herbarium of Professor Brewer; SHEFFIELD BIOLOGICAL LABORATORY, in which are located the laboratories for Physiological Chemistry, Toxicology and Physiology (first floor), and the laboratories for General Biology, Comparative Anatomy, Morphology and Embryology (second floor). An experimental green-house is situated near by.

ZOOLOGY—The instruction in Zoology includes a course of illustrated lectures on the structure and classification of animals, with particular reference to those forms which are of economic importance or of more general interest. Such groups, particularly invertebrates, as are represented by fossil remains are also discussed at length because of their bearing on the study of Paleontology.

Students in the course in Zoology and Botany also pursue laboratory instruction during the second term of Junior and all of Senior year. This generally occupies from two to four hours a day on four days of each week. It includes dissections of various classes and orders of animals, with microscopic studies of the finer structures and of minute animal forms, as well as work in Systematic Zoology. A briefer course in the laboratory is given to students in Biology during their Senior year.

Special laboratory work on the classification of animals, in preparation for, or in connection with, the study of Paleontology, as well as additional courses of recitations or lectures on particular subjects are also given when desirable.

COMPARATIVE ANATOMY AND GENERAL BIOLOGY—Instruction in these subjects is given by practical laboratory work supplemented by illustrated lectures and demonstrations. The regular course of instruction, intended especially for students in the Biological Course, extends through the second term of Junior year.

The structure of the vertebrate type is first studied and illustrated by careful dissections of the frog and the mammal. This work is accompanied by demonstrations of similar structures in other vertebrates and by reference to the theories of evolution. The practical study of some of the more simple plants and of several types of unicellular and other simple animals follows, with a review of their methods of life, growth and multiplication. The laboratory work is supplemented by lectures and demonstrations on the structure and properties of protoplasm and the nature of the animal cell. This leads to the study of the elementary tissues and the histological structure of the organs of the vertebrate body. The work of the whole course is supplemented by the study of elementary physiology which is pursued at the same time.

Although this course is especially planned for students who are preparing for medical studies, it is well adapted for those who wish a practical acquaintance with the general principles of biology and vertebrate anatomy, either for general culture or as preparation for advanced work in general biology, physiology, physiological chemistry or psychology.

MORPHOLOGY AND EMBRYOLOGY OF VERTEBRATES—In these subjects instruction is given, during the fall term of Senior year, by a course of illustrated lectures and demonstrations with laboratory work. The classification of vertebrate animals, and the comparative morphology of the different sets of organs in the various groups, is first discussed with special reference to human morphology. Then the development, fertilization and cleavage of the egg, and the formation of the germ layers, tissues and organs of the vertebrate body are taken up and discussed with special reference to their relation to human anatomy and the theories of heredity and evolution.

PHYSIOLOGY—Elementary Physiology is taught by recitations and demonstrations, being designed especially for Junior students in the Biological Course. In Senior year, particular attention is paid to the physiology of respiration, digestion and nutrition in connection with the study of physiological chemistry.

In the course in Experimental Physiology, designed primarily for graduate students, the various graphic methods are illustrated and applied to the study of the phenomena of the muscular and

nervous systems, the circulation, respiration, etc. The work in the laboratory involves the use of the ordinary forms of apparatus for physiological investigation. Stress is laid not alone upon the phenomena of the animal functions, but the topics selected are intended to familiarize the student with the problems and methods of scientific research in this domain. The more advanced students are kept in touch with progress in physiology by a physiological seminary.

PHYSIOLOGICAL CHEMISTRY—Physiological Chemistry is taught by laboratory exercises, illustrative lectures, and recitations. Each student is provided with a suitable working place in the laboratory, well equipped with all needed apparatus and material. The regular course of work, designed especially for Senior students in the Biological Course, extends through one year and embraces a thorough study of the chemical composition of the various tissues and fluids of the body, together with a study of the chemical and physiological processes of respiration, digestion, secretion, excretion, and nutrition in general.

Beginning with a study of the albuminous bodies and more important carbohydrates, the experimental work extends through the epithelial, connective, contractile, and nervous tissues. Proceeding then to digestion, the various digestive fluids are studied, artificial digestions are made, and the products of digestive action isolated and studied. The blood, milk and urine are next considered, and students are taught to make both qualitative and quantitative analyses of them and to identify abnormal constituents.

EXPERIMENTAL TOXICOLOGY—In connection with a series of lectures on this subject given to Senior students in the Biological Course, a portion of one term is also devoted to a study of the chemical reactions of the more important mineral and organic poisons, and their physiological action is determined experimentally. Advanced students are also taught how to separate poisons from organic tissues and fluids and to identify them, both by chemical and physiological reactions.

During the second term of Senior year, opportunity is afforded for the carrying on of investigations on some selected subject in either physiology, physiological chemistry or toxicology, in connection with the preparation of honor theses. To those who have the necessary qualifications to undertake original investigations, independently or under guidance, the facilities of the Laboratory of Physiological Chemistry and Physiology are available at all times.

BOTANY—In the courses in Biology and in Zoology and Botany, as well as in the course preparatory to Forestry, a detailed study of typical green flowering plants is pursued in the laboratory, with special reference to the structure and functions of their various organs. This is followed by a general survey of the vegetable kingdom, in which selected types of the different classes of plants, beginning with the lowest, are examined in order. The structure, development and relationships of these types are discussed in informal lectures. In the Select course the work includes a study of flowering plants only. Frequent written tests are required in all the courses.

For those who may desire to pursue the science professionally, the work is arranged to suit individual requirements, whether it be in the direction of morphology or systematic botany, as applied to either flowering plants or cryptogams.

PLANT PHYSIOLOGY—Instruction in plant physiology is offered to those students familiar with the elements of vegetable morphology and histology who possess some knowledge of physics and chemistry. An acquaintance with organic chemistry is also very desirable. Particular attention is devoted to such topics as the composition of the plant body, plant nutrition, the synthesis of proteids and carbohydrates, the distribution and significance of vegetable enzymes, and other features of metabolism. The experimental method is emphasized wherever practicable. Opportunity is offered for research work in plant physiology, especially with reference to its chemical aspects.

BACTERIOLOGY AND HYGIENE—In this course it is aimed to give the student such instruction as will enable him to acquire a general knowledge of bacteriology and hygiene in their relation to Sanitary Science, etc. Each student is provided with a complete set of laboratory apparatus, and the work consists of laboratory exercises supplemented by lectures. At the outset the student is instructed in the preparation of the necessary culture media. The methods of bacteriological diagnosis are then studied, involving the "pouring of plates," cultivation of bacteria in various nutrient media, staining and microscopic technique. At least a month is devoted to the study of pathogenic micro-organisms and their relation to disease. Animal inoculation forms a part of this work. About two weeks are given to sanitary water analysis, the work being largely qualitative. Finally, the last three or four exercises are devoted to the study of the common disinfectants. In the entire course emphasis is placed on the technique of the subject.

The regular work outlined for students in the course in Municipal and Sanitary Engineering extends over a period of ten to twenty weeks, three afternoons each week. Instruction is also given to those who desire more advanced training in the subject.

GEOLOGICAL SCIENCES

Professors PENFIELD, PIRSSON, SCHUCHERT; Dr. FORD, Mr. HEILPRIN, Mr. TARR.

The instruction in Mineralogy, Geography and the Geological Sciences is given in KIRTLAND HALL. This building, the gift of Mrs. Lucy W. Boardman, in memory of her uncle, the late Jared P. Kirtland, LL.D., is arranged on the first floor for the department of Mineralogy, with suitable laboratories for determinative work, for Crystallography and for chemical research and with a lecture room. In one room is deposited the Brush library and collection of minerals. The second floor is devoted to Geology and has a lecture room, laboratories for geological and petrographical research, and a room containing the library and petrographical collection. On the third floor is the lecture room and laboratory for Geography and the room containing the collections and library of Economic Geology. The instruction in Anthropology is also given on this floor. All of these varied departments are amply equipped with the collections, libraries and apparatus necessary for instruction and the most advanced research work.

The instruction in Historical Geology and Paleontology is given in PEABODY MUSEUM, and the great collections of the late Prof. O. C. Marsh are available for this purpose, and for the use of advanced students under the direction of the professor in charge.

GEOLOGY—The course in Geology includes recitations, lectures and oral instruction, extending through the year. During the first term the recitations are attended by the entire Senior class, except those in the courses in Mechanical and Electrical Engineering. This part of the course includes Structural and Dynamical Geology and is illustrated by maps, lantern views, photographs, diagrams and specimens.

During the first half of the second term the Seniors in the Civil and Mining Engineering courses and in Metallurgy extend the work of the first term into stratigraphical geology with special reference to its economic aspects.

The last half-term of the year is devoted to *Historical Geology* and *Paleontology*. The sequence and distribution of the sedimentary

formations are studied, together with the introduction and succession of the various types of life during past geological ages. This part of the course is pursued by all the Seniors except those in the Engineering courses and in Metallurgy. Suitable collections of rocks, fossils, lantern views, etc., are used to illustrate the subject.

Opportunities are afforded for geological excursions during the warmer months. Additional and advanced work in geology, petrology and paleontology is offered in the list of graduate courses.

Field work. During the Spring half-term an optional course in practical field work in which the mapping and study of a selected area will be taken up, is offered to a limited number in the courses in Mining and Metallurgy.

ECONOMIC GEOLOGY—The course in Economic Geology is given to the Senior Mining Engineering and Metallurgical divisions during the second half of the year, following directly after the course in Structural and Dynamical Geology. Instruction is given chiefly by means of lectures, which are illustrated by the use of lantern slides and by specimens from the collection of Economic Geology. The course includes a discussion of the general features of ore bodies, with the theories of their formation together with descriptions of the most important and typical ore occurrences in North America. The occurrences and uses of the nonmetallic minerals are also described.

PETROLOGY—This course begins by familiarizing the student with the use of the polarizing microscope and the identification and study of the important rock-making minerals by optical and chemical methods. The characters, origin, and classification of rocks are then taken up, commencing with the igneous types and passing into the crystalline schists, during which metasomatic and dynamic changes, including effects of dynamo-metamorphism, are studied. The work is carried on in the petrographical laboratory, requiring three hours of work daily under the instructor, with regular lectures at stated periods. Large collections of rocks and thin sections belonging to the School are available for the study and illustration of the subject.

ELEMENTARY PETROLOGY—A series of lectures of an elementary nature and without the use of the microscope, on the history, origin, and classification of rocks with especial reference to their geologic relations and economic properties, is given one hour a week in the second term. This course is illustrated by collections and is offered as an optional to all students in the Senior class and in graduate courses who may desire to take it.

MINERALOGY AND CRYSTALLOGRAPHY—Instruction in Mineralogy in the courses in Chemistry, Metallurgy, Civil Engineering, Mining, Zoology and Botany, Mineralogy, Biology and Forestry, is carried on by means of both lectures and practical work in laboratories especially fitted up for the purpose, the methods of instruction being such that students acquire familiarity with the common minerals, by making chemical and physical tests upon them, as also by seeing and handling a large number of typical specimens. Attention is devoted especially to those species which are of economic, geological, or scientific importance. To better understand and appreciate the chemical aspects of the subject, students are first made familiar with the simple chemical tests and blowpipe reactions which are best adapted for testing minerals, and later this knowledge is applied to the determination of unknown species. Students have free access to a labeled collection of carefully selected, typical mineral specimens, where the crystallization and other physical properties of the different species can be studied, and where comparisons can be made with specimens which have been determined. There are also extensive unlabeled collections for study, arranged especially to give students practice and facility in the correct identification of minerals. In addition to laboratory work, instruction is given in Crystallography, illustrated by collections of models and natural crystals. The lectures in Descriptive Mineralogy to the more advanced students are illustrated by the extensive private collection of Professor Brush. The laboratories are provided with apparatus for the thorough chemical and physical investigation of minerals and with an extensive library to which students have access. The laboratories are open seven hours each day to accommodate any who desire to devote more time to the subject than is laid out in any of the prescribed courses.

PHYSICAL GEOGRAPHY—This subject occupies four hours per week in the Select and Forestry Courses, during the first term of the Junior year, and is primarily a lecture course. It is designed to induct the student into an appreciation and understanding of the dominant features—structural and scenic—of the earth's surface, and of the forces and conditions which have brought these features into existence; and more particularly, to acquaint him with the physical features of specific areas of the earth's surface as they now exist. This study, therefore, becomes that of regional (and political) geography in its physical relations, and involves the consideration of climatic distribution and influence, productivity and resource, animal and plant migrations and habitats, avenues of trade and commerce, adaptation to environment, and explorations. The earlier portion of the course is supplemented by text-book study (Gilbert and Brigham: *Introduction to Physical Geography*).

METEOROLOGY—During the first term of Senior year in the Select course two lectures per week are given, embracing the physics of the atmosphere, the science of Meteorology, and the methods of weather-prediction used by the U. S. Weather Bureau.

ECONOMICS, SOCIAL SCIENCES AND HISTORY

Professor CALLENDER, Assistant Professor KELLER, Mr. LEARNED.

POLITICAL SCIENCE—The object of this course is to give the student a general knowledge of the governmental machinery of the leading foreign nations and a more detailed knowledge of our own. Attention is directed chiefly to the actual working of government rather than to the historical development of political institutions, with a view of giving the student some understanding and appreciation of the practical problems of government, as they exist in this country at present. The instruction is given by means of text-books, supplemented by lectures and assigned reading in various books on selected topics. The text-books used this year are Fonblanque's *How We Are Governed*, Bagehot's *English Constitution*, and Bryce's *American Commonwealth*. More or less use will be made of Lowell's *Government and Parties in Continental Europe*, Hart's *Actual Government*, Ford's *The Rise and Growth of American Politics*, Godkin's *Unforseen Tendencies of Democracy*, and Wilson's *Congressional Government*.

The courses in History serve as a preparation for the course in Political Science.

ECONOMICS—In the beginning of the course, an effort is made to familiarize the students with the fundamental principles of Economics, and more particularly to train them in economic reasoning. One text-book is read by the student and thoroughly discussed in class. This is supplemented by assigned reading in several other standard works on the general principles of Economics. The text-book used this year is Bullock's *Introduction to the Study of Economics*, supplemented by Seager's *Introduction to Economics*, and by selected chapters in Mill's *Principles of Political Economy* and Marshall's *Economics of Industry*. Selected topics, such as money, banking, public finance, and industrial history, are then treated more in detail, with a view of giving the student a knowledge of the more important current economic questions. A small library, containing the principal authorities on these subjects, has been provided, in order that the students may be able to familiarize themselves somewhat with the literature of the subject. These books may be used by the student in the reading room of Byers Memorial Hall. The instruction in the later part of the course is given partly by means of text-books and partly by lectures.

HISTORY—Work in History is prescribed for all students in the Select Course during their Junior and Senior years. It is planned with some reference to the equipment of any student desirous of getting the best results from courses in political science, economics, or literature.

I. Junior Year—The aim of the first year's work is to give students an outline of the history of Western Europe from the declining years of the Roman empire—the epoch of the Germanic invasions—to about the close of the third quarter of the nineteenth century. Attention will be given all along to English history, but stress will be placed on the development of English institutions only from about 1500 onwards. The course will thus serve as a necessary introduction to American history.

It is not intended that the student should acquire merely a mass of facts, but rather an understanding of the nature and causes of movements such as the development of the Frankish Kingdom, Feudalism, the Crusades, the growth of the Communes, the Reformation, the Commercial Expansion of England, and Parliamentary reform. Following are the prescribed text-books: E. Emerton's *Introduction to the Middle Ages*; Hodgkin's *Charles the Great*; Bryce's *Holy Roman Empire*; G. B. Adams's *The Growth of the French Nation*; F. Seebohm's *Protestant Revolution*; S. R. Gardiner's *Thirty Years' War*; and E. P. Cheyney's *Short History of England*. Use, however, is to be made of a wider range of volumes than this list indicates, most of which will be found on the shelves of the reading room in Byers Memorial Hall. Portions of these books will also be prescribed. This room will furnish a select working collection of historical books near at hand, while there will always be for the specially interested student the greater stock of the University Library. As the course is to some extent a discussion of historic facts and tendencies, students are expected to keep note-books. Some practice in historical map work will be given, and Putzger's *Historischer Schul-Atlas* is one of the most useful required volumes throughout the course.

II. Senior Year—The second year's work is a study of American history with particular reference to the political development of the United States for a century (1776-1876). By way of introduction attention is first given to Colonial times before the Revolution—to some comparison of Colonial institutions as dependent on English influences, to English Commercial policy, to the leading statesmen of the pre-Revolutionary era (English and American), and to the causes of the struggle for independence. The course is based on the following volumes: W. E. H. Lecky's *American Revolution* (Woodburn's

Ed.); Francis Walker's *The Making of the Nation* (1783-1817); C. Schurz's *Henry Clay*, 2 vols. (American Statesmen Series); J. W. Burgess's *The Civil War and the Constitution*, 2 vols. Portions of the Navigation Acts are read and discussed in class, besides many documents in Professor MacDonald's *Select Documents of United States History* (1776-1861). Every member of the course is expected in the early autumn to select some topic on which to do extensive reading, and from time to time to report his progress in the class-room. Topics are usually to be chosen from a pamphlet prepared by the instructor and entitled *Topics and References in American History, 1600-1900*. As in the work of the Junior year, Byers Memorial Hall provides a collection of selected books on American History. Practice in historical map work is continued. The period of time covered by the course being comparatively limited and the subjects often having interesting relations to recent events, very particular attention is paid to class-room discussion.

ANTHROPOLOGY—This subject occupies two hours per week in the Select Course, during the Junior year. In connection with comprehensive text-books such subjects will be studied as the antiquity of man, the relation of man to other animals, racial differences, language, the arts of life, the spirit world, etc. Lectures will briefly outline the earliest forms of the industrial organization, marriage and the family, property, religion and government. The anthropological collections of Peabody Museum and other illustrative material will be utilized as far as practicable. Outside reading will be assigned to those desiring it.

FORESTRY

Professors BREWER, TOUMEY; Assistant Professor EVANS; DR. DEAN, and assistants.

The instruction in the various subjects related to Forestry is given in the lecture rooms and laboratories of the SHEFFIELD SCIENTIFIC SCHOOL and in MARSH HALL, the School building of the Yale Forest School located in the Yale Botanical Garden.

SILVICULTURE—Nursery practice and forest planting. Attention is given to the planting and care of trees in streets and parks for ornament and shade, with notes as to the relative suitability of different trees to these uses.

FIELD WORK IN FORESTRY—Excursions and field work form an important part of the instruction in Forestry. Several tracts of woodland

have been selected near New Haven, where the students are given instruction and practice in preparing planting plans, organizing nursery work, sowing in the nursery and in the field, transplanting trees, etc. Frequent excursions are also taken in connection with the course in Forest Botany to train the students in the identification of local species.

FOREST BOTANY—This course is designed especially for those intending to enter upon the study of Forestry. The instruction is devoted mainly to the identification of trees and shrubs, their distribution, habits and uses. Herbaceous and Cryptogamic plants are considered so far as a knowledge of them may prove useful to the forester. The course includes also a study of the anatomy and physiology of trees.

FOREST PHYSIOGRAPHY—General conditions necessary to forests: forests as related to temperature and its range; to rainfall and its range; to excesses of weather and climate; to the mechanical and chemical nature of soil and ground-water; to the geological character of the surface; to the relief-forms of the land; to other geographical features; the geographical distribution of forests; the aspects of forests as related to climate and topography; the geological history of forests; and forests in relation to public health.

MILITARY SCIENCE AND TACTICS

Professor SMOKE, Captain, U. S. A.

MILITARY SCIENCE AND TACTICS—Instruction in this subject is obligatory upon the whole Senior class in all departments. The work is carried on chiefly by lectures, upon which satisfactory notes must be submitted. Such topics as the following are discussed: military economy; the American military problem; organization and reorganization; modern war on field and map; statistics and logistics; the combined use of "the three arms"; strategy and campaigning; orders of battle and grand tactics; special operations of war and field service; minor tactics and the art of war; use of cavalry in campaign and battle; use of artillery; use of infantry; and the Turko-Russian war. The course will terminate with an examination, and a special military certificate is awarded, by the Regular Army officer in charge of the department, to such students as attain a sufficient degree of proficiency, and give evidence of military aptitude. In connection with this course a brief original paper is required.

When a sufficient number of students desire it, practical instruction in drill in the School of the Soldier and School of the Company will be given.

DEGREES

Students of this Department, on the recommendation of the Governing Board, are admitted by the Corporation of Yale University to the following degrees :

1. **BACHELOR OF PHILOSOPHY** : This degree is conferred on those who complete any of the three-year courses of study, passing all the examinations in a satisfactory manner.

2. **MASTER OF SCIENCE** : The requirements for this degree are stated on page 190.

3. **CIVIL ENGINEER AND MECHANICAL ENGINEER** : The requirements for these degrees are stated on pages 192 and 193.

4. **DOCTOR OF PHILOSOPHY** : The requirements for this degree are stated on page 190.

The degrees are publicly conferred by the President and Fellows of the University on Commencement Day.

EXPENSES

The **TREASURER'S BILLS** are made out and delivered to the students three times a year, viz : at the beginning of each term or half-term, at which time they are payable. The annual charge for tuition for undergraduate students is \$150. An additional charge of \$6 for each term or half-term is made for incidentals, including the use of libraries, public rooms, gymnasium, and reading-room. The student in the Chemical, Metallurgical and Biological Courses has an additional charge of \$15 per term, or half-term, for chemicals and the use of apparatus in the chemical laboratories. He also supplies himself at his own expense with flasks, crucibles, etc., the cost of which should not exceed \$10 a term.

For graduate students the charge for tuition is one hundred dollars per year.

The fee for graduation as Bachelor of Philosophy, including the fee for Triennial Catalogues, Commencement Dinners, etc., is \$10, unless the person taking the degree is also an academical graduate, when it is \$5.

BUILDINGS

The buildings in which the work of instruction in the Scientific School is mainly carried on are: Sheffield Hall, North Sheffield Hall, Sheffield Biological Laboratory, Winchester Hall, Kirtland Hall, Sheffield Chemical Laboratory, and Hammond Metallurgical Laboratory. Instruction in Mineralogy, Physical Geology, Petrology, and Physiography is given in Kirtland Hall; in Zoology and Historical Geology in the Peabody Museum, and in Free-Hand Drawing in the Art School; while in Forestry, instruction is given at the Yale Forest School. Winchester Hall is intended chiefly for the Engineering sections, containing appliances and machinery for their special use. Sheffield Hall, in which the administrative offices of the School and the laboratories for botany, plant physiology and bacteriology are situated, affords also a number of recitation rooms, but the majority of such rooms devoted to mathematics, the languages, history and economics will be found in North Sheffield Hall. The names of the other buildings indicate their respective purposes. These buildings contain a large number of recitation and lecture rooms, a hall for public assemblies and lectures, chemical, physical, biological, and metallurgical laboratories, besides studies for some of the professors, where their private technical libraries are kept.

BYERS MEMORIAL HALL

This building, a gift from Mrs. Martha F. Byers, of Pittsburg, Pa., in memory of Alexander MacBurney Byers, the husband of the donor, and their son, Alexander MacBurney Byers, Jr., a graduate of the School in the class of 1894, is used for promoting the social and religious life of the Sheffield Scientific School, and provides the comforts of a social club for all Scientific School students.

The basement floor contains billiard rooms, lunch room, toilet rooms with shower baths, and a publication

office for the Scientific Monthly. On the main floor of the building is a large library and reading-room, while on the opposite side of the hall is a large social room, adjoining which is a coat room, office, etc. On the second floor are the rooms of the Young Men's Christian Association of the Sheffield Scientific School, with a large assembly hall for the various needs of the student-body. The upper floor of the building is given up to students' rooms (fourteen in number), arranged around a large sitting room, thereby constituting a small dormitory.

The building is administered under the advice of a board of six members, three from the Governing Board of the School and three from its graduates outside of this Board, chosen for their sympathy with the objects of the building and understanding of the needs connected therewith.

The active management of the building is placed as far as practicable in the hands of a committee of students of the Sheffield Scientific School; the responsible control of the floor occupied by the Young Men's Christian Association being in the hands of those members of the committee who are chosen by the students as representatives of the Young Men's Christian Association of the Sheffield Scientific School.

DORMITORIES

Through the generosity of Mr. Frederick W. Vanderbilt, (Sheffield Scientific School 1876), of New York City, a dormitory system for the Sheffield Scientific School has been started on a portion of land called Vanderbilt Square, directly opposite Sheffield Square. The first dormitory to be erected is known as VANDERBILT-SCIENTIFIC, in memory of the donor's brother, Cornelius Vanderbilt, who died in 1899.

The building is a handsome Gothic stone structure, fire-proof, heated by steam, with open fire-places, lighted by

electricity, and with all modern conveniences. The building contains sixteen single rooms, eighteen suites adapted for two persons, and nineteen suites capable of accommodating three men each. The rooms in this dormitory are not furnished, and the rates charged do not include heat or light. The building is occupied only by members of the Senior and Junior classes.

Students occupying rooms in this dormitory may retain the same rooms for another Academic year by making application in writing to the Director of the School, on or before May 1, 1905. Rooms not reserved will then be offered to the two classes in order. Choices will be allotted to the Senior class on May 15, to the Junior class on May 20.

PRICES PER WEEK OF ROOMS IN VANDERBILT-SCIENTIFIC FOR 1904-1905

The prices appended are for a suite of rooms or single rooms, per week, the rental for the college year being for thirty-six weeks. When a suite of rooms is occupied by two or more persons, each occupant will be charged with one-half or one-third the price named in the schedule.

\$5.00—Rooms 134, 135, 136, 137.

6.00—Rooms 116, 117, 118, 119, 122, 123, 124, 125, 128, 129, 130, 131.

8.00—Rooms 105, 106.

10.00—Rooms 114, 115, 120, 126, 132, 133, 138, 139, 142, 146, 150, 151.

11.00—Rooms 121, 127, 143, 147, 152.

12.00—Rooms 101, 104, 107, 113, 140, 144, 148, 153.

13.00—Rooms 102, 103, 109, 111, 112, 141, 145, 149.

14.00—Rooms 108, 110.

The dormitory floor of BYERS MEMORIAL HALL contains fourteen rooms, arranged around a large sitting-room, the latter being common ground for the occupants of this floor. These rooms are partially furnished, are lighted by electricity, heated by steam, with commodious toilet facilities closely adjacent on the same floor. The price of these rooms is six dollars per week, for the college year of thirty-six weeks, and includes light and heat.

According to a rule of the Governing Board of the School, students are not allowed to room in any hotel or apartment-house, or in any building in which a family does not reside, except by special permission of the Faculty.

LIBRARIES AND READING-ROOMS

The Special Technical Library of the Scientific School consists of about five thousand volumes. Included in this is the HILLHOUSE MATHEMATICAL LIBRARY of twenty-four hundred volumes, collected during a long series of years by Dr. William Hillhouse, and in 1870 purchased and presented to the institution by Mr. Sheffield. A catalogue of this collection forms a supplement to the Annual Report of the Governing Board of 1870. All the prominent scientific journals of this country and of Europe, together with the proceedings of foreign academies and scientific societies, can be found, either in this library or in the University Library, to which students have access.

There is also a CHEMICAL LIBRARY in the Sheffield chemical laboratory, in which the principal chemical journals and periodicals may be found. A compact working library of History, Economics and Political Science, for the use of students pursuing these subjects, is situated in Byers Memorial Hall, where also there is a collection of books of reference of a general nature, including dictionaries in several languages, encyclopedias, etc., besides other volumes technical and technological in character. Private technical libraries on the subjects of Geology and Mineralogy are in Kirtland Hall, and under suitable restrictions may be used by students.

Members of the Scientific School have a convenient and commodious reading-room in Byers Memorial Hall, where they have access to daily and weekly newspapers and reviews and to the standard monthly magazines.

CHURCH SITTINGS

Free sittings for students in this department of Yale University are provided as follows: in the Center Church and United Church (Congregational); in Trinity Church and Christ Church (Episcopal); and in the First Methodist Church.

Those who prefer to pay for a sitting for one year, more or less, in the churches above mentioned, or in any other church of any denomination, may apply to the Director of the School.

Sittings in the College Chapel (Battell Chapel) are free, as heretofore, to the students of this Department, Pews Nos. 174 to 179 inclusive, in the South Gallery, being reserved on Sundays for students of the Sheffield Scientific School.

SHEFFIELD LECTURES

A course of ten lectures, under the auspices of the Sheffield Scientific School, is delivered annually between January 15th and April 1st in College Street Hall. The subjects of the course, which is now offered for the thirty-ninth year, are of a scientific nature, of general interest, and are treated by men eminent in their respective lines of work. The lectures are as a rule illustrated. Course tickets are nominal in price, and the topics are announced in the Bulletin of the University and in the local press.

HONORS

TWO-YEAR GENERAL HONORS are awarded at the end of Senior year to those members of the class who have shown a high degree of proficiency in all the studies of their course during Junior and Senior years. A candidate for such honors must present, on or before June 10th of Senior year, a meritorious thesis on some subject approved by his Division Officer.

ONE-YEAR GENERAL HONORS are awarded at the end of Junior year to such students as have maintained a high standing for the year in all the studies of their course.

SPECIAL HONORS are awarded at the end of Junior and Senior years, to students, not recipients of general honors, who have shown special excellence in any particular study or studies. Seniors who are candidates for such honors must present an acceptable thesis unless excused by the Governing Board.

SCHOLARSHIPS AND PRIZES

The HOLMES SCHOLARSHIP, founded by Mr. Samuel Holmes, amounts to fifty dollars per year. The recipient must be a citizen of Middlebury, Prospect, Waterbury, or Wolcott, Connecticut; the appointments are made by the Board of Agents of the Bronson Library in Waterbury.

The ROGERS SCHOLARSHIP, founded in 1899, by a gift of five thousand dollars from Mr. William A. Rogers (class of 1874), of Buffalo, New York, is awarded, whenever there is a vacancy, at the end of Junior year, to a student of the course in Biology or Chemistry who has attained high rank in the studies of the course. The annual income from this fund will be paid to the incumbent during his Senior year, and if the holder of the scholarship desires, he may retain the scholarship for one year of graduate study, providing he maintains, during Senior year, high rank in his studies.

The PAGE SCHOLARSHIPS, founded in 1901, in memory of Henry A. Page, a merchant of the city of New York, by his son (class of 1875), consist of the income of a fund of seven thousand dollars. This income is loaned by the Director of the School in amounts of one hundred dollars annually to deserving members of the Junior and Senior classes.

The DANIEL C. EATON GRADUATE SCHOLARSHIP IN BOTANY. See page 282.

SHEFFIELD GRADUATE SCHOLARSHIPS.—Six scholarships of one hundred dollars each (covering the charges for tuition) are awarded, on application, to those members of the graduating class of the Sheffield Scientific School who have attained high proficiency in the special studies of their respective courses, and who desire to spend one or more years in graduate study. Each scholarship will be available for one year only. Application for these scholarships must be made in writing, on or before June 1st, to the head of the department to which the student belongs, with a statement as to the character of the graduate study to be pursued.

The **GAYLORD SCHOLARSHIP.** See page 162.

The **MAHLON LONG SCHOLARSHIP.** See page 172.

The **JOHN ADDISON PORTER MEMORIAL FELLOWSHIP.** See page 169.

The **LOOMIS FELLOWSHIP IN PHYSICS.** See page 281.

The **DEFOREST SCHOLARSHIP FUND.** See page 169.

The **LEAVENWORTH SCHOLARSHIP FUND.** See page 164.

PRIZES are also offered annually, to members of the Senior class, for excellence in Civil Engineering, in Mechanical Engineering, in Mining Engineering, in Sanitary Engineering, and in Electrical Engineering; to members of the Junior and Senior classes in the Select Course, for excellence in History, as determined by special examination on assigned topics; to members of the Freshman class for excellence in all the studies of the year, in Physics, in German, in French, in English, in Chemistry, in Mathematics, and in Drawing.

The **BELKNAP PRIZE**, founded by Mr. William R. Belknap, of the class of 1869, is awarded for excellence in all the Natural History studies in Senior year.

The **BLAKE STONE BREAKER PRIZE**, founded in 1902 by Mr. Henry T. Blake, representing the heirs of Eli W. Blake, of New Haven, as a memorial to Eli Whitney Blake, the inventor of the Blake Stone Breaker. This prize, consisting of not less than fifty dollars, is awarded to the author of any treatise deemed worthy of such award on some subject connected with Mining or Civil Engineering, and preferably with some branch of those pursuits in which the use of broken stone or ores is an important feature. In the award of said prize, preference shall be given to the work of students, graduate or undergraduate, in the Sheffield Scientific School.

The **WILLIAM C. TUCKER PRIZE IN SANITARY ENGINEERING**, consisting of fifty dollars, is awarded at the end of Senior year to a student in the Sanitary Engineering course who has attained General Honors in said course, and who presents the best thesis on some original work relating to Sanitary Engineering.

The **BENNETT PRIZE**. See page 559.

The **COBDEN CLUB SILVER MEDAL**. See page 559.

The **GEORGE WASHINGTON EGLESTON HISTORICAL PRIZE**. See page 560.

The **JOHN A. PORTER PRIZE**. See page 558.

GRADUATE SCHOOL

FACULTY

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

ANDREW WHEELER PHILLIPS, PH.D., *Dean, and Professor of Mathematics*

ARTHUR MARTIN WHEELER, LL.D., *Professor of History*

JOHN FERGUSON WEIR, N.A., M.A., *Professor of Painting and Design*

CHARLES BRINCKERHOFF RICHARDS, M.A., *Professor of Mechanical Engineering*

ARTHUR WILLIAMS WRIGHT, PH.D., *Professor of Experimental Physics*

THOMAS RAYNESFORD LOUNSBURY, LL.D., L.H.D., *Professor of English*

EUGENE LAMB RICHARDS, M.A., *Professor of Mathematics*

DANIEL CADY EATON, M.A., *Professor of the History and Criticism of Art*

JOHN HENRY NIEMEYER, M.A., S.A.A., *Professor of Drawing*

TRACY PECK, LL.D., *Professor of Latin*

ADDISON EMERY VERRILL, M.A., *Professor of Zoology*

WILLIAM GRAHAM SUMNER, LL.D., *Professor of Political and Social Science*

Rev. GEORGE TRUMBULL LADD, D.D., LL.D., *Professor of Moral Philosophy and Metaphysics*

CHARLES HENRY SMITH, LL.D., *Professor of American History*

SIDNEY IRVING SMITH, M.A., *Professor of Comparative Anatomy*

WILLIAM GILBERT MIXTER, M.A., *Professor of Chemistry*

HENRY PARKS WRIGHT, PH.D., LL.D., *Professor of Latin*

HENRY AUGUSTIN BEERS, M.A., *Professor of English Literature*

AUGUSTUS JAY DUBOIS, C.E., PH.D., *Professor of Civil Engineering*

BERNADOTTE PERRIN, PH.D., LL.D., *Professor of Greek Literature and History*

EDWARD SALISBURY DANA, PH.D., *Professor of Physics*

THOMAS DAY SEYMOUR, LL.D., *Professor of Greek*

CHARLES SHELDON HASTINGS, PH.D., *Professor of Physics*

FRANK AUSTIN GOOCH, PH.D., *Professor of Chemistry*

ALBERT STANBURROUGH COOK, PH.D., L.H.D., *Professor of the English Language and Literature*

WILLIAM BEEBE, M.A., *Professor of Mathematics and Instructor in Astronomy*

GEORGE BURTON ADAMS, PH.D., LITT.D., *Professor of History*

SAMUEL SIMONS SANFORD, M.A., *Professor of Applied Music*

HENRY WALCOTT FARNAM, M.A., R.P.D., *Professor of Political Economy*

EDWARD PARMELEE MORRIS, M.A., L.H.D., *Professor of the Latin Language and Literature*

HENRY ROSEMAN LANG, PH.D., *Professor of Romance Philology*

RUSSELL HENRY CHITTENDEN, PH.D., LL.D., Sc.D., *Professor of Physiological Chemistry*

JOHN HAYS HAMMOND, M.A., *Professor of Mining Engineering*

SAMUEL LEWIS PENFIELD, LL.D., *Professor of Mineralogy*

HORACE LEMUEL WELLS, M.A., *Professor of Analytical Chemistry and Metallurgy*

THOMAS DWIGHT GOODELL, PH.D., *Professor of the Greek Language and Literature*

EDWARD WASHBURN HOPKINS, PH.D., LL.D., *Professor of Sanskrit and Comparative Philology*

ARTHUR HUBBELL PALMER, M.A., *Professor of the German Language and Literature*

HORATIO MCLEOD REYNOLDS, M.A., *Professor of the Greek Language and Literature*

FREDERICK MORRIS WARREN, PH.D., L.H.D., *Professor of Modern Languages*

GEORGE MARTIN DUNCAN, LL.D., *Professor of Logic and Metaphysics*

E. HERSHEY SNEATH, PH.D., LL.D., *Professor of the Theory and Practice of Education*

Rev. FRANK KNIGHT SANDERS, PH.D., D.D., *Professor of Biblical History and Archaeology*

LOUIS VALENTINE PIRSSON, M.A., *Professor of Physical Geology*

EDWARD GAYLORD BOURNE, PH.D., *Professor of History*

GUSTAV GRUENER, PH.D., *Professor of German*

CHARLES CUTLER TORREY, PH.D., D.D., *Professor of Semitic Languages*

HORATIO WILLIAM PARKER, MUS.D., *Professor of the Theory of Music*

WILBUR LUCIUS CROSS, PH.D., *Professor of English*

JOHN CHRISTOPHER SCHWAB, PH.D., *Professor of Political Economy*
CHARLTON MINER LEWIS, PH.D., *Professor of English Literature*
WILLIAM LYON PHELPS, PH.D., *Professor of English Literature*
ROBERT NELSON CORWIN, PH.D., *Professor of German*
IRVING FISHER, PH.D., *Professor of Political Economy*
JAMES PIERPONT, PH.D., *Professor of Mathematics*
HANNS OERTEL, PH.D., *Professor of Linguistics and Comparative
Philology*
PERCEY FRANKLYN SMITH, PH.D., *Professor of Mathematics*
JAMES WILLIAM TOUMEY, M.S., *Professor of Forestry*
CHARLES FOSTER KENT, PH.D., *Professor of Biblical Literature*
CHARLES SCHUCHERT, M.A., *Professor of Paleontology*
GUY STEVENS CALLENDER, PH.D., *Professor of Political Economy*
LAFAYETTE BENEDICT MENDEL, PH.D., *Professor of Physiological
Chemistry*
HENRY SOLON GRAVES, M.A., *Professor of Forestry*
HENRY CROSBY EMERY, PH.D., *Professor of Political Economy*
HERBERT ERNEST GREGORY, PH.D., *Professor of Geology*

OTHER INSTRUCTORS

JOHN CHESTER ADAMS, M.A., PH.D., *Instructor in English*
WILLIAM GILBERT ANDERSON, M.A., M.D., *Director of the Gymnasium*
REV. BENJAMIN WISNER BACON, D.D., LL.D., LITT.D., *Professor of
New Testament Criticism and Interpretation*
WILLIAM BACON BAILEY, PH.D., *Assistant Professor of Political
Economy*
CECIL KITTREDGE BANCROFT, B.A., *Instructor in Latin*
SAMUEL EBEN BARNEY, C.E., *Assistant Professor of Civil Engineering*
JOSEPH BARRELL, PH.D., *Assistant Professor of Geology*
SAMUEL ELIOT BASSETT, B.A., *Tutor in Greek*
PAUL VICTOR CHRISTOPHER BAUR, PH.D., *Tutor in Classical Archae-
ology*
EDWARD AUGUSTUS BOWERS, B.A., LL.B., *Lecturer in Forest Law*
PHILIP EMBURY BROWNING, PH.D., *Assistant Professor of Chemistry*
HENRY ANDREWS BUMSTEAD, PH.D., *Assistant Professor of Physics*
WILLIAM HENRY CALLAHAN, M.D., *Medical Assistant at the Gymnasium*
CHARLES UPSON CLARK, PH.D., *Assistant Professor of Latin*

CHARLES CAMERON CLARKE, JR., B.A., *Assistant Professor of French*
WESLEY ROSWELL COE, PH.D., *Assistant Professor of Comparative
Anatomy*

WILLIAM JAMES COMSTOCK, PH.B., *Instructor in Organic Chemistry*

ALBERT EUGENE CURDY, PH.D., *Instructor in French*

Rev. EDWARD LEWIS CURTIS, PH.D., D.D., *Professor of Hebrew*

CLIVE DAY, PH.D., *Assistant Professor of Economic History*

ARTHUR LYMAN DEAN, PH.D., *Instructor in Plant Physiology*

GEORGE FRANCIS EATON, PH.D., *Instructor in Comparative Osteology*

ALEXANDER WILLIAM EVANS, M.D., PH.D., *Assistant Professor of
Botany*

WILLIAM OLIVER FARNSWORTH, M.A., *Instructor in French*

HOLLON AUGUSTINE FARR, PH.D., *Tutor in German*

HARRY BURR FERRIS, M.D., *Hunt Professor of Anatomy*

HARRY WARD FOOTE, PH.D., *Assistant Professor Physical Chemistry*

WILLIAM EBENEZER FORD, JR., PH.D., *Instructor in Mineralogy*

ARTHUR SULLIVAN GALE, PH.D., *Instructor in Mathematics*

CLYDE CHEW GLASCOCK, PH.D., *Instructor in German*

WILLIAM ANTHONY GRANVILLE, PH.D., *Instructor in Mathematics*

HERBERT EDWIN HAWKES, PH.D., *Assistant Professor of Mathematics*

Rev. WILLIAM MILTON HESS, PH.D., *Lecturer in Philosophy*

JAMES W. D. INGERSOLL, PH.D., *Assistant Professor of Latin*

GEORGE SAMUEL JAMIESON, PH.D., *Instructor in Chemistry*

HARRY BENJAMIN JEPSON, B.A., MUS.B., *Assistant Professor of
Applied Music, and University Organist*

TREAT BALDWIN JOHNSON, PH.D., *Instructor in Chemistry*

CHARLES HUBBARD JUDD, PH.D., *Assistant Professor of Psychology,
and in charge of the Psychological Laboratory*

ALBERT GALLOWAY KELLER, PH.D., *Assistant Professor of the Science
of Society*

ANDREW KEOGH, M.A., *Lecturer in Bibliography*

HENRY STANLEY KNIGHT, *Assistant Professor of Applied Music*

HENRY BARRETT LEARNED, M.A., *Instructor in History*

Rev. FREDERICK LENT, M.A., *Instructor in Biblical Literature*

FREDERICK BLISS LUQUIENS, B.A., *Instructor in French and Spanish*

CLOYD NORTH McALLISTER, PH.D., *Instructor in Psychology and
Lecturer in Experimental Pedagogy*

GEORGE GRANT MACCURDY, M.A., *Lecturer in Anthropology*

KENNETH MCKENZIE, PH.D., *Instructor in Romance Languages*

MAX MASON, PH.D., *Instructor in Mathematics*

JOHN PEASE NORTON, PH.D., *Instructor in Political Economy*

CHARLES GROSVENOR OSGOOD, JR., PH.D., *Instructor in English*

ISAAC KING PHELPS, PH.D., *Instructor in Chemistry*

REV. FRANK CHAMBERLIN PORTER, PH.D., D.D., *Professor of Biblical Theology*

EDWARD BLISS REED, PH.D., *Assistant Professor of English*

LEO FREDERICK RETTGER, PH.D., *Instructor in Bacteriology*

OLIVER HUNTINGTON RICHARDSON, PH.D., *Assistant Professor of History*

CHALFANT ROBINSON, PH.D., *Lecturer on the History of Commercial Treaties of the United States*

HENRY HOLLISTER ROBINSON, C.E., PH.D., *Instructor in Geology*

ROBERT KILBURN ROOT, PH.D., *Instructor in English*

ROBERT LOUIS SANDERSON, M.A., *Assistant Professor of French*

RUDOLPH SCHWILL, PH.D., *Instructor in Spanish*

DAVID STANLEY SMITH, B.A., MUS.B., *Instructor in the Theory of Music*

REV. GEORGE BARKER STEVENS, PH.D., D.D., LL.D., *Professor of Systematic Theology*

LEONARD MERRILL TARR, M.A., *Lecturer on Meteorology*

EDWY LYCURGUS TAYLOR, PH.B., C.E., *Instructor in Mechanical Drawing and Civil Engineering*

WILLIAM JAMES TAYLOR, PH.D., *Lecturer on the History of Education*

HON. WILLIAM KNEELAND TOWNSEND, D.C.L., *Professor of Mercantile Law and Admiralty Jurisprudence*

ISIDOR TROOSTWYK, *Assistant Professor of Applied Music, and Instructor in Violin-Playing*

RALPH GIBBS VAN NAME, PH.D., *Instructor in Chemistry*

WILLISTON WALKER, PH.D., D.D., *Professor of Ecclesiastical History*

CHARLES HEALD WELLER, PH.D., *Lecturer on Greek Literature*

PHILIP PATTERSON WELLS, PH.D., *Lecturer in History*

HENRY LORD WHEELER, PH.D., *Assistant Professor of Organic Chemistry*

FREDERICK WELLS WILLIAMS, B.A., *Assistant Professor of Modern Oriental History*

EDWIN BIDWELL WILSON, PH.D., *Instructor in Mathematics*

ANDREW LINCOLN WINTON, PH.D., *Instructor in Proximate Organic Analysis*

HENRY BURT WRIGHT, PH.D., *Tutor in Greek and Latin*

ADMINISTRATIVE COMMITTEE,

WITH CONSULTATION HOURS

ARTHUR TWINING HADLEY, LL.D., PRESIDENT,

Woodbridge Hall, daily, 8.30 A. M. to 1 P. M.

ANDREW WHEELER PHILLIPS, PH.D., DEAN, *and Professor of Mathematics*, 90 High street, daily, except Saturday, 10.30 A. M. to 12 M.

ARTHUR MARTIN WHEELER, LL.D., *Professor of History*,

C, Osborn Hall, Tuesday and Thursday, 10.30-11.30 A. M.

CHARLES BRINCKERHOFF RICHARDS, M.A., *Professor of Mechanical Engineering*, 111 Winchester Hall, Friday, 10 to 11 A. M.

REV. GEORGE TRUMBULL LADD, D.D., LL.D., *Professor of Moral Philosophy and Metaphysics*, 275 Lawrance Hall, Monday, Wednesday and Saturday, 12 M.

THOMAS DAY SEYMOUR, LL.D., *Professor of the Greek Language and Literature*, 22 Phelps Hall, daily, 11 A. M. to 12 M.

ALBERT STANBURROUGH COOK, PH.D., L.H.D., *Professor of the English Language and Literature*, C, Osborn Hall, Tuesday, 11.20 A. M.; D, 135 Elm street, Tuesday, 4 P. M., Wednesday, 5 P. M.

HENRY WALCOTT FARNAM, M.A., R.P.D., *Professor of Political Economy*, 43 Hillhouse av., daily, except Saturday, 2 to 3 P. M.

RUSSELL HENRY CHITTENDEN, PH.D., LL.D., SC.D., *Professor of Physiological Chemistry, and Director of the Sheffield Scientific School*, 3 Sheffield Hall, daily, 9 A. M. to 12 M.

REV. FRANK KNIGHT SANDERS, PH.D., D.D., *Professor of Biblical History and Archaeology, and Dean of the Divinity School*, 615 East Divinity Hall, daily, 11 A. M. to 12.30 P. M.

GENERAL STATEMENT

ORGANIZATION

The Graduate School of Yale University is a section of the Department of Philosophy and the Arts, which was first formally organized in 1847 for scientific and graduate instruction, but now includes Yale College, the Sheffield Scientific School, the School of the Fine Arts, the Department of Music, and the Forest School.

The degrees of Doctor of Philosophy and Civil Engineer were first offered in 1860, the degree of Dynamical or Mechanical Engineer in 1873, that of Master of Arts (previously given without evidence of study) in 1874, and that of Master of Science in 1897.

The professors in the several sections of the Department of Philosophy and the Arts together constitute the Faculty of the Graduate School. The general oversight of graduate instruction and graduate students is entrusted to the Dean and the Administrative Committee, who may be called upon for information and advice. Students are expected to report to the Dean soon after reaching New Haven.

ADMISSION AND REGISTRATION

Graduates of this and other Colleges and Universities, and (in exceptional cases, by special permission) other persons of liberal education, who are at least eighteen years old, are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

All graduate students who are not regularly enrolled in any other department of the University are required to register their names at the office of the Dean at the beginning of each year of study.

The degree of Doctor of Philosophy, with the courses of the Graduate School leading thereto, is open to candidates without distinction of sex.

FEEES AND EXPENSES

The fee for instruction is generally one hundred dollars per year ; but it may be more, or less, according to the courses pursued and the amount of instruction received.

A special fee of five dollars is charged to those who use the Gymnasium, (and one of two dollars to those admitted to the use of the College Reading-room.)

Board is obtained at prices varying from three and a half to eight dollars a week. The average price is under five dollars.

A list of suitable rooms is kept at the Dean's office.

INSTRUCTION

Courses of study are offered in the following departments :

- I. PSYCHOLOGY, ETHICS, AND PHILOSOPHY.
- II. ECONOMICS, SOCIAL SCIENCES, HISTORY, AND LAW.
- III. SEMITIC LANGUAGES AND BIBLICAL LITERATURE.
- IV. CLASSICAL AND INDO-IRANIAN PHILOLOGY.
- V. MODERN LANGUAGES AND LITERATURES.
- VI. NATURAL AND PHYSICAL SCIENCE.
- VII. MATHEMATICS.
- VIII. THE FINE ARTS.
- IX. MUSIC.
- X. PHYSICAL EDUCATION.

Instruction is given partly by lectures, partly in recitations and by oral and written discussions, partly by directing courses of reading, and partly by the direction of work in the laboratories and with instruments.

The attention of teachers who desire to fit themselves more thoroughly for a higher grade of professional work is called to the advantages offered by this department for pedagogical instruction and discipline. In addition to the special and advanced study of the subjects in which the graduate student desires instruction, and the pursuit of

courses in psychology, ethics, philosophy, and of other courses cognate with pedagogy, opportunity is afforded to observe the actual practice in the class-room, as well as the organization of the different departments in the University and their methods of work.

CLUBS FOR RESEARCH

In various voluntary associations, instructors and students meet periodically for the reading of papers, oral discussions, etc.; such are :

- The CLASSICAL CLUB.
 - The MATHEMATICAL CLUB.
 - The POLITICAL SCIENCE CLUB.
 - The PHILOSOPHICAL CLUB.
 - The SEMITIC AND BIBLICAL CLUB.
 - The BIBLICAL RESEARCH CLUB.
 - The MODERN LANGUAGE CLUB.
 - The GERMAN JOURNAL CLUB.
 - The ROMANCE JOURNAL CLUB.
 - The ENGLISH CLUB.
 - The PHYSICS JOURNAL CLUB.
 - The ENGINEERS' CLUB.
 - The CHEMICAL CLUB.
 - The HISTORICAL CLUB.
 - The PHYSICAL CLUB.
 - The GEOLOGICAL CLUB.
 - The BIOLOGICAL CLUB.
 - The KENT LABORATORY JOURNAL CLUB.
 - The ANTHROPOLOGY CLUB.
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DEGREES

The DEGREE OF DOCTOR OF PHILOSOPHY is conferred upon those students who show the results of resident graduate work by a thesis giving evidence of high attainment and power of investigation, and by an examination

on studies whose grade and amount meet the approval of the Faculty. Under ordinary circumstances two or more years' work in residence will be required, but in exceptional cases work of equal grade at another University may take the place of a year's residence here. The thesis must be deposited at the Library for public inspection, not later than May 1. A good knowledge of Latin, German, and French is required in all cases, unless, for some very exceptional reasons, the candidate be excused by the Faculty. Evidence of sufficient attainments in these languages must be furnished the Dean at least two years before the degree is given. The fee for instruction is one hundred dollars per year. The fee for graduation is ten dollars.

The DEGREE OF MASTER OF ARTS is conferred on Bachelors of Arts of Yale College (and on Bachelors of Arts of other colleges whose course of study is equivalent to that of Yale College), who have given to the College Faculty evidence of satisfactory progress in liberal studies after receiving their first degree. Such evidence may be furnished by one year's systematic study (not professional) in New Haven, under the direction of the College Faculty, followed by an examination. Graduates of other colleges can obtain the degree only by residence as thus described. The charge for instruction is usually one hundred dollars per year, with a fee of ten dollars for the degree.

Such Bachelors of Arts *of Yale College* as may not choose to reside at the College for study may, at any time not less than three years after graduation, show, in either of the two following ways, that they have spent a year in liberal (and non-professional) study, and are worthy of recommendation for this degree. (1) Such candidates may apply to the Faculty for the designation of a course of study, on which an examination shall be taken. This

application must be accompanied by a fee of twenty-five dollars. (2) Or a candidate may submit as evidence of his fitness for this degree a printed essay, for the examination of which a fee of twenty-five dollars (to be paid in advance) is required. An additional fee of ten dollars will be charged in all cases for the degree.

A committee of the Faculty is appointed (consisting for the present year of Professors Wheeler and Phillips), to whom candidates for this degree must submit their proposed courses of study for approval by the end of October in each year; and the evidence of a year's study must be submitted to the same committee by June 1.

The DEGREE OF MASTER OF SCIENCE is conferred on graduates of this or other universities, of two years' standing or upwards, who have taken their first degree in science and who pursue successfully a higher course of study in science under the direction of the Governing Board of the Sheffield Scientific School. Such a course involves at least one year of resident graduate study, followed by an examination and presentation of a satisfactory thesis in some department of science. A committee of the Faculty is appointed, to whom candidates for this degree must submit their proposed courses of study for approval before the end of October of each year.

The DEGREES OF CIVIL ENGINEER AND OF MECHANICAL ENGINEER are conferred on Bachelors of Philosophy who have taken the first degree in Engineering study, and who pursue a higher course under the direction of the Governing Board of the Sheffield Scientific School for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions and to make the requisite drawings and calculations. The fee for graduation is five dollars.

FELLOWSHIPS

Five FELLOWSHIPS yielding four hundred dollars each, not exempting the holders from charges for tuition, are open to graduates of all colleges; but preference is given to those who have already spent at least one year in graduate study, and have shown capacity for original work.

The BULKLEY FELLOWSHIP IN AMERICAN HISTORY was established in 1901 by the gift of ten thousand dollars from Mr. Jonathan Bulkley, of the class of 1879, and other members of his family, in memory of Helena Perry Bulkley. The income, four hundred dollars, is awarded annually to a student of high character and marked ability, who will pursue graduate studies in American History or Administration under the direction of the Professors of History.

The HENRY C. ROBINSON FELLOWSHIP was founded in 1900 in the name of Mrs. Mary Robinson Cheney, of Hartford, Conn., and her sister, Miss Eliza Robinson, in memory of their uncle, Henry C. Robinson, of the class of 1853, by the gift of five thousand dollars. The income is awarded annually to a student of the Graduate School, selected on the ground of ability and attainments.

The JOHN ADDISON PORTER MEMORIAL FELLOWSHIP was established in 1901 by Mrs. Josephine S. Porter, in memory of her husband, Professor John Addison Porter, of the class of 1842, and of her son, John Addison Porter, of the class of 1878, by the gift of ten thousand dollars. The income is awarded annually to a graduate of the Academic Department or of the Sheffield Scientific School, selected for distinguished excellence and promise in the Department of English.

The LOOMIS FELLOWSHIP in Physics was established in 1902, by Professor Francis E. Loomis, class of 1864, Yale College, by the gift of ten thousand dollars. This Fellowship is open to the graduates of the Scientific and Academic Departments of Yale University, and to gradu-

ates of other Universities who have spent at least one year in the study of Physics in the Graduate School of Yale. It is granted to the candidate who passes the best competitive examination in Physics (descriptive, mathematical, and laboratory practice). The holder of this fellowship must be a candidate for the degree of Doctor of Philosophy, and must make Physics his chief study.

The YALE ALUMNI ASSOCIATION OF CALIFORNIA FELLOWSHIP of three hundred dollars is given to a graduate of one of the California Universities, pursuing studies at Yale in the Graduate School. The incumbent is selected by the Association.

The following Fellowships are, by the terms of the donations, open only to graduates of Yale College :

The DOUGLAS FELLOWSHIP.

The SOLDIERS' MEMORIAL FELLOWSHIP.

The SILLIMAN FELLOWSHIP.

The JOHN SLOANE FELLOWSHIP.

The SCOTT HURTT FELLOWSHIP.

The ELLEN BATTELL ELDRIDGE FELLOWSHIPS (two).

The MACY FELLOWSHIP.

The LARNED FELLOWSHIPS (three).

The FOOTE FELLOWSHIPS (three).

The CUYLER FELLOWSHIP.

SCHOLARSHIPS

TWENTY SCHOLARSHIPS, yielding one hundred dollars each, are open to graduates of all colleges.

The following Scholarships are open only to graduates of Yale College :

The CLARK SCHOLARSHIPS, and

The W. W. DE FOREST SCHOLARSHIP.

The DANIEL C. EATON GRADUATE SCHOLARSHIP IN BOTANY is endowed with the income of a fund of two thousand dollars given by Mrs. Eaton in commemoration of

her husband, the late Professor Daniel C. Eaton. This scholarship will be open for competition to members of the Senior classes in the Academical and Scientific Departments, on conditions to be prescribed by the Governing Board of the Sheffield Scientific School.

SIX SHEFFIELD SCHOLARSHIPS of \$1000 each (covering the charges for tuition) are awarded, on application, to those members of the graduating class of the Sheffield Scientific School who have attained high proficiency in the special studies of their respective courses, and who desire to spend one or more years in graduate study in the School. Each scholarship will be available for one year only. Application for these scholarships must be made in writing on or before June 1st to the head of the department to which the student belongs, with a statement as to the character of the graduate study to be pursued.

Candidates for appointment to Fellowships and Scholarships should send their applications, accompanied by letters of recommendation and other evidence of the excellence of their work already accomplished, to the Dean, Professor Andrew W. Phillips, not later than April 15.

THE ARTHUR TWINING HADLEY SCHOLARSHIP yields an income of \$225 a year, which sum is awarded annually to one or more students of the University, to assist in the publication of meritorious theses or other results of investigation.

The sum of fifty dollars is appropriated by the University towards defraying the cost of publication of each thesis submitted for the degree of Doctor of Philosophy, which is recommended for such purpose by the expert readers of the thesis in question, provided such thesis is actually published, in separate form, by the first day of January following the graduation of the candidate, and that fifty copies have been presented to the University.

COURSES OF INSTRUCTION

Courses marked with an asterisk (*) are undergraduate courses ; they are open to graduate students who have the consent of the instructor and the approval of the Faculty.

The number of hours stated means, when not otherwise specified, hours of exercise, lectures, or recitations, each week through the year.

COURSES OF INSTRUCTION

I. PHILOSOPHY

GEORGE T. LADD, D.D., LL.D.	GEORGE B. STEVENS, D.D., LL.D.
E. WASHBURN HOPKINS, LL.D.	GEORGE M. DUNCAN, LL.D.
E. HERSHEY SNEATH, Ph.D., LL.D.	CHARLES H. JUDD, Ph.D.
WILLIAM J. TAYLOR, Ph.D.	CLOYD N. McALLISTER, Ph.D.
WILLIAM M. HESS, Ph.D.	

COURSES IN THIS DEPARTMENT are offered in Introduction to Philosophy, Psychology, Logic and Epistemology, Ethics, Aesthetics, Metaphysics, Philosophy of Religion, Pedagogics, History of Philosophy, and Philosophical Criticism.

For COGNATE COURSES, of especial value to students in this Department, in Physiology, Histology and Biology, see course VI, 58 f.; in Anthropology and Social Science, see course II, 1 f.; in Evolution, see course II, 32; in Chemical Theory, see course VI, 29; in Plato, see course IV, 6, 19 and 29.

The UNDERGRADUATE CLASSES in Psychology, Logic, and Ethics may be freely attended by graduate students in order to study the methods of instruction in these subjects employed in Yale College.

The PHILOSOPHICAL SEMINARY ROOM, 4 Herrick Hall, is fitted up for the use of graduate students in Philosophy. It contains the Departmental Library, and may be utilized for purposes of study at all times. Keys are furnished on application to Professor Ladd to all graduate students taking courses in the Department.

The HEALY PHILOSOPHICAL LIBRARY, founded by a gift of \$10,000 from Mrs. Susie Healy Camp, of Hartford, as a memorial of her father, William Arnold Healy, is a departmental library for the Department of Philosophy. It is placed in the Philosophical Seminary room, and consists of 1,500 volumes, to which additions are constantly being made, besides the current philosophical and psychological periodicals. It aims to afford all the advantages of a well-selected consulting library for the students of philosophy.

The PSYCHOLOGICAL LABORATORY of the Department is thoroughly equipped for both instruction and original research. In addition to the provisions for work in experimental psychology, there are sections for work in experimental pedagogy. Each student pursuing investigations is provided with space and apparatus. The results of accepted investigations are published in the *Studies from the Yale Psychological Laboratory*.

The PHILOSOPHICAL CLUB, composed of the instructors in the Department and all graduate students who take courses in philosophy, holds regular meetings fortnightly, on Tuesday evening. It is designed to afford opportunity both for the presentation and discussion of the results of original research by its members, and also for hearing addresses and papers from distinguished authorities on philosophical subjects, who are not connected with the Department as teachers. Addresses have been delivered before the Club by Professors Lloyd Morgan, John Watson, W. T. Harris, J. G. Schurman, William James, J. McKeen Cattell, Josiah Royce, Borden P. Bowne, William Caldwell, John Dewey, J. Mark Baldwin, and others.

INTRODUCTION TO PHILOSOPHY

Professor DUNCAN :—

[1 *Encyclopaedia of Philosophy.*

A series of informal lectures on the study of philosophy, and the literature of its various branches.

Omitted in 1904-1905.]

Professor SNEATH :—

*2 *Introduction to Philosophy.* 2 hrs.

[See Course XVII, B 2, page 137.]

PSYCHOLOGY

Professor DUNCAN :—

3 *Advanced General Psychology.*

A detailed study of the principal phenomena of mental life from the modern scientific standpoint, with a view to the formation of a comprehensive theory of the mind's nature.

Professor DUNCAN, Assistant Professor JUDD, and Dr. McALLISTER :—

4 *Contemporary Psychology.* 1 hr.

Seminary meeting once every two weeks for two hours. The current Journals of Psychology and of cognate subjects will be reviewed.

Assistant Professor JUDD :—

[5 *Genetic Psychology.* 1 hr.

A course of lectures and readings dealing with the facts and principles of mental development. This course deals with those aspects of psychology most closely related to practical pedagogy.

Omitted in 1904-1905.]

Assistant Professor JUDD and Dr. McALLISTER :—

6 *Experimental Psychology (Laboratory Course).* 2 hrs.

Each member of the class performs in the laboratory a series of typical experiments. The class meets once a week for critical discussion of reports.

Assistant Professor JUDD :—

- 7 *Psychology (Experimental Problems)*. 3 hrs.

This course is designed for advanced students who are preparing to undertake psychological investigations. It consists of lectures and laboratory investigations.

Assistant Professor JUDD and Dr. McALLISTER :—

- 8 *Experimental Psychology (Research)*. 4 hrs.

Graduate students who have taken courses in general and experimental psychology may make use of the facilities of the laboratory for carrying on original researches.

Dr. McALLISTER :—

- 9 *Psychology (Laboratory Equipment)*. 1 hr.

This course is designed for those who are preparing to teach psychology, and who wish to become familiar with the technique of laboratory equipment and management.

ETHICS

Professor SNEATH :—

- 10 *Systematic Ethics*. 2 hrs.

A study of the main problems of the philosophy of conduct—the nature of the moral self, the freedom of the will, the nature and grounds of moral relations, etc.

- 11 *History of Modern Ethics*. 2 hrs.

This course traces the development of modern ethical thought from Hobbes to the present time. The course will deal primarily with British ethics. Lectures and elaborate papers.

- 12 *Ethical Seminary*. 2 hrs.

Research work along specific ethical lines will constitute the work of the seminary, the subjects varying from year to year. For the year 1904-1905 the work will consist of researches in the first period of Modern Ethics.

For other courses dealing with Ethics, see courses 20, 30 and 32.

LOGIC AND EPISTEMOLOGY

Professor DUNCAN :—

- [13 *The Principles of Logic.* 1 hr. 1st half-year.

A course treating of the more important problems connected with the nature and forms of reasoning and the conditions of proof. This course should be followed by course 14.

Omitted in 1904-1905.]

Assistant Professor JUDD :—

- [14 *Scientific Method.* 1 hr. 2d half-year.

A course in the methods of the sciences with especial reference to the assumptions and criteria of inductive reasoning.

Omitted in 1904-1905.]

Professor DUNCAN :—

- 15 *Epistemology.* 2 hrs.

A systematic course, both critical and constructive, in the Philosophy of Knowledge. All the important problems of epistemology will be considered.

- [16 *Philosophical Scepticism.* 2 hrs.

An historical and critical examination of philosophical scepticism, with especial reference to the determination of the limits of scepticism, and the construction of a valid theory of knowledge.

Omitted in 1904-1905.]

For other courses dealing with Epistemology, see courses 17, 20, 32, and 34.

METAPHYSICS

Professor LADD :—

- 17 *Systematic Metaphysics.* 2 hrs.

The principal metaphysical conceptions—such as Space, Time, Causation, Number, Substance, Quality, Relation, etc.—will be thoroughly discussed; and the attempt will be made to unite them in a harmonious view of the physical world and of human life. Most of the work will be research, to be done by the class and presented in the form of elaborate papers for criticism and discussion.

18 *Philosophy of Mind.* 2 hrs.

This course is designed to assist in forming intelligent conceptions as to the nature, reality, genesis, evolution, and destiny of the human mind ; its relations to the body ; and the different theories of materialism, idealism, dualism, etc.

Professor SNEATH :—

[19 *Philosophy of Mind.* 2 hrs.

Beginning with the facts and laws established by empirical psychology, this course aims at the construction of a metaphysic of mind. The latter part of the year will be devoted to a study of the history of the philosophy of mind from Descartes to Kant.

Omitted in 1904-1905.]

PHILOSOPHY OF RELIGION

Professor LADD :—

20 *Philosophy of Religion.* 2 hrs.

A study of the phenomena of man's religious life and development with a view to discover the laws which prevail in its history, the nature of the mental reactions from which religion springs, and the expressions in religious dogma and worship.

The lectures will be supplemented by required reading.

Professor STEVENS :—

21 *The Grounds of Theistic and Christian Belief.* 1 hr.

A study of the philosophical and historical presuppositions of Christian Theology.

[22 *The Philosophy of Religion.* 1 hr. 1st term.

This course will be based on Sabatier's *Outlines of a Philosophy of Religion.*

Omitted in 1904-1905.]

[23 *The History of the Philosophy of Religion.* 1 hr. 2d term.

A sketch of the theories regarding the nature and grounds of religious belief in modern philosophy.

Omitted in 1904-1905.]

Professor HOPKINS :—

- 24 *Comparative Religion.* 1 hr.

In two parts, the first comprising the principles of religious development, the second illustrating these by studies of special religions. Open to graduates, Juniors, Seniors, and members of the Divinity School.

Dr. McALLISTER :—

- 25 *Experimental Pedagogy.* 1 hr.

A summary of the results of experimental methods as applied to educational subjects. The topics treated will include: training of the senses, observation, memory, quickness of perception and thought, writing, drawing, fatigue, and study of children.

Dr. W. J. TAYLOR :—

- 26 *History of Education.* 2 hrs.

Lectures, readings, and reports; including a study of educational institutions and theories, of the relation of past experience to modern problems, and of education as a phase of social evolution.

- 27 *Philosophical Foundations of Education.* 1 hr.

Modern scientific and philosophical concepts will be examined in order to determine their bearings upon education. Among such are *evolution, the applications of psychology, and the ethical aspects of education.*

For a course on Religious Education, see Prof. Brastow's course on *Christian Pedagogy* offered to divinity students. For other courses dealing with Pedagogics, see courses 6 and 12.

HISTORY AND PHILOSOPHY

Professor DUNCAN :—

- *28 *Ancient Philosophy.* 2 hrs.

[See Course XVII, A 4, page 135.]

29 *Modern Philosophy.* 3 hrs.

A critical study of the systems of speculative thought from Descartes to the present time, especially of the great systems of the XVIIth and XVIIIth centuries, with cursory reading of philosophical masterpieces from Descartes to Kant.

Dr. TAYLOR :—

30 *Plato's Dialogues.* 1 hr.

The more important *Dialogues* will be read in translation. The influence of Socrates and Plato on Greek philosophy and on subsequent thought and literature will be considered.

Dr. HESS :—

31 *The Philosophical Writings of Cicero.* 1 hr.

A study, in the light of modern reflection on the same subjects, of Graeco-Roman eclectic thought on the problems of philosophy as contained in the philosophical writings of Cicero.

PHILOSOPHICAL CRITICISM

Professor LADD :—

32 *Kant Seminary.* 2 hrs.

A study of the Principles of Conduct and of Art upon the basis of Kant's *Ethical and Aesthetical Writings*, *The Critique of Practical Reason*, *Metaphysics of Ethics*, etc., and the *Critique of Judgment*. Each exercise will, in general, consist of an expository and critical lecture to be followed by papers and discussions by the class.

Professor DUNCAN :—

[33 *The Philosophy of Herbert Spencer.* 2 hrs.

A study of the Evolution Theory of Spencer in its psychological, ethical and metaphysical aspects. Spencer's *First Principles*, *Principles of Psychology* (selections), and *Data of Ethics* are read and discussed.

Omitted in 1904-1905.]

Dr. HESS :—

34 *The Philosophy of Lotze.* 2 hrs.

An exposition and criticism of the philosophy of Lotze as contained in his *Microcosmus*. The main problems of philosophy will be discussed.

*35 *Popular Discussions in Philosophy.* 2 hrs.

[See Course XVII, B 6, page 138.]

II. THE SOCIAL SCIENCES, HISTORY, AND LAW

ARTHUR M. WHEELER, LL.D.	D. CADY EATON, M.A.
SIMEON E. BALDWIN, LL.D.	CHARLES H. SMITH, LL.D.
WILLIAM G. SUMNER, LL.D.	THEODORE S. WOOLSEY, LL.D.
GEORGE B. ADAMS, Ph.D., Litt.D.	HENRY W. FARNAM, R.P.D.
WILLISTON WALKER, Ph.D., D.D.	EDWARD G. BOURNE, Ph.D.
JOHN C. SCHWAB, Ph.D.	GUY S. CALLENDER, Ph.D.
IRVING FISHER, Ph.D.	HENRY C. EMERY, Ph.D.
FREDERICK WELLS WILLIAMS, B.A.	OLIVER H. RICHARDSON, Ph.D.
CLIVE DAY, Ph.D.	WILLIAM B. BAILEY, Ph.D.
ALBERT G. KELLER, Ph.D.	ROGER FOSTER, LL.B., M.A.
PHILIP P. WELLS, Ph.D.	HENRY B. LEARNED, M.A.
CHALFANT ROBINSON, Ph.D.	GEORGE GRANT MACCURDY, M.A.
GUY STANTON FORD, Ph.D.	JOHN P. NORTON, Ph.D.

A BIBLIOGRAPHY OF ECONOMIC AND KINDRED SUBJECTS is maintained by the instructors in Economics, and is available to students in the University Library. The department of Economics also collects statistical charts, tables and slides, which are preserved in E, Osborn Hall.

The BOOCOCK LIBRARY (founded in 1896 by Mr. and Mrs. S. W. Boocock) is a department library in the Social Sciences, which supplies students with the most rare and special works in those subjects which the University Library does not contain. Any books needed by special students will be obtained. Students of all degrees of advancement will find reference books in the Boocock Library, and are invited to apply for access to it to Prof. Sumner.

The ANTHROPOLOGY CLUB meets fortnightly for papers and discussions in Anthropology (Historical and Somatic), Ethnology, Sociology, and Demography.

The POLITICAL SCIENCE CLUB, comprising the graduate students and instructors in the social sciences, has its headquarters at 11 White Hall, which are open to members at all times. The department library there installed contains a collection of economic works generally required by advanced students. Fortnightly meetings are held during the academic year. Announcement of the subjects discussed is made in the University Bulletin.

Opportunities are given students to visit such charitable and penal institutions and agencies of social betterment as are in New Haven, or within easy access of it.

The HISTORICAL SEMINARY ROOM, No. 90 High street, contains a reference library to which graduate students may have access at all hours.

The HISTORICAL CLUB meets fortnightly for the reading and discussion of papers and for reports on current periodicals.

Professor SUMNER :—

*1 *The Science of Society.* 2 hrs.

A course with text-book and lectures in Systematic Sociology (Sociology).

2 *Anthropology.* 2 hrs.

A careful study of Ranke's *Der Mensch* (2d ed.), with an examination of the separate topics by means of all the appropriate material.

3 *The Self-Perpetuation of Society.* 2 hrs.

An historical and ethnological study of the *Marriage Institution*; *mores*, taboo, idealization. The *Family*; its forms, parenthood, kinship, status of woman. *Population*. The history, law and policy of population.

[4] *The Mental Reactions.* 2 hrs.

(Section IVa of Systematic Societology.) An ethnological study of the development of the *Mental Processes* and of the growth and contents of the *Mental Outfit* of the human race in the earlier stages.

Omitted in 1904-1905.]

[5] *The Beginnings of the Industrial Organization.* 2 hrs.

An ethnological study of the industrial organization from its earliest beginnings.

Omitted in 1904-1905.]

Professor FARNAM :—

[6] *The Principles of Public Finance.* 2 hrs.

A systematic treatment of the subject of government expenditure, government income, and government debt, illustrated by references to the financial statistics and experience of modern states.

Omitted in 1904-1905.]

7 *Social Politics.* 2 hrs.

A critical examination of the results of legislation designed to strengthen the economic position of the weaker social classes.

8 *Pauperism and Crime.* 1 hr.

A study in social pathology, in which the causes of, and the leading methods of dealing with, pauperism and crime are treated historically and critically.

[9] *The Modern Labor Movement.* 2 hrs.

An historical study of the efforts made by wage workers to improve their condition, and a critical examination of the theories which have been developed in support of the movement.

Omitted in 1904-1905.]

Professor SCHWAB :—

*10 *The Financial and Industrial History of the United States.* 2 hrs.

[See Course XIX, B 2, page 147.]

*11 *Railroads.* 2 hrs.

[See Course XIX, C 4, page 149.]

12 *Finance.* 2 hrs.

Lectures and individual research.

Topics: The mechanism and problems of the modern financial world; the money and exchange market; investment securities; the finances of the industrial combinations.

[13 *Economic Bibliography.* 2 hrs. first term.

Lectures upon methods of economic investigation; bibliographical review of economic literature, especially government and other serial publications; introductory to the next course.

Omitted in 1904-1905]

14 *Economic Research.* 1 hr. second term.

Practice in the preparation of topical bibliographies. A review of the leading classes of investigation, their methods, literature, etc. Illustrations especially from among the problems of modern industrial organization.

Professor IRVING FISHER :—

15 *Theory of Capital and Prices.*

This course treats of the theory of capital in its relation to income, distribution, prices, and especially the rate of interest.

Professor CALLENDER :—

16 *Economic History of the United States.* 2 hrs.

The course describes the economic evolution of the United States from the simple agricultural communities of colonial times to the highly diversified industrial society of the present.

Professor EMERY :—

***17** *Elementary Economics.* 1 or 3 hrs.

[See Course XIX, A 1, page 146.]

18 *Commerce and Commercial Policy in the Nineteenth Century.* 2 hrs.

A study of the growth of international trade and the changes in commercial policy in the last one hundred years, especially in the leading countries of Europe.

19a *History of Economics.* Pt. I. 2 hrs.

The history of economic ideas, with special reference to economic policy, from the Middle Ages to the middle of the nineteenth century.

[19b *History of Economics.* Pt. II. 2 hrs.

A continuation of the above course, given in alternate years. It deals with the later reactions from the Classical School, protectionism, socialism and the historical school.

Omitted in 1904-1905.]

Assistant Professor DAY :—

20 *Economics and Politics, Modern Europe.* 2 hrs.

A study of the economic organization of the different states of Europe, in its relation to domestic and foreign politics. Lectures and assigned reading. .

21 *Economics and Politics, Historical.* 2 hrs.

Development of the economic organization in Europe in its relation to the political organization. Lectures, and assigned work in secondary and original sources.

Assistant Professor BAILEY :—

*22 *Elementary Statistics.* 2 hrs.

[See Course XIX, A 10, page 146.]

*23 *American Social Conditions.* 2 hrs.

[See Course XIX, B 11, page 147.]

24 *Labor Problems.* 1 hr.

The conflicts between labor and capital and the methods employed to obtain industrial peace.

*25 *Railroads.* 1 hr. first term.

[See Course XIX, C 4, page 149.]

Assistant Professor KELLER :—

*26 *The Science of Society.* 2 hrs.

[See Course XIX, A 30, page 146.]

27 *Colonization (Economic and Social).* 2 hrs.

Colonization from the standpoint of the Science of Society ; in ancient, medieval and modern times. Emigration, acclimatization, colonial trade, frontier society, contact of races, etc.

28 *Ethnology.* 2 hrs.

A study of existing nations and tribes ; their manners, customs, etc.; analysis and comparison of national traits. The course will deal chiefly with the life of savage and partially civilized peoples, and will be based primarily upon comprehensive reading in ethnography.

[29 *Culture-History.* 2 hrs.

A critical reading of Lippert's *Kulturgeschichte* (2 vols., Stuttgart, 1887) (*a*) for its subject matter, and (*b*) as a basis for informal instruction in research, scientific method, etc.

Omitted in 1904-1905.]

Dr. NORTON :—

*30 *Trade Statistics.* 2 hrs.

[See Course XIX, C 13, page 150.]

31 *Interpolation.* 1 hr.

Methods of fitting curves to series of statistics in analysis of relations among variables ; also the theory of correlation of two or more variables. Practice in handling statistical data.

32 *Statistical Theory of Evolution.* 2 hrs.

Statistical methods of handling the data of variation, heredity, panmixia, regression, selection, prepotency, homotyposis with passing notice of some practical applications in life insurance and the methods of Pearson, Galton and Yule will be discussed.

33 *Corporation Economics.* 1 hr.

The anatomy of a corporation ; its incorporation, organization, advantages and disadvantages treated from the economic standpoint ; the "commutation" theory of interest and the statistical basis for capitalization of net earnings.

*34 *Railroads.* 1 hr.

[See Course XIX, C 4, page 149.]

Mr. MACCURDY :—

35 *Physical Anthropology.* 2 hrs. 1st half-year.

Lectures and demonstrations. Man's position in the zoological scale ; characters of race, age, sex, etc. Students will have access to suitable collections and practice in the use of laboratory apparatus.

36 *Prehistoric Anthropology.* 2 hrs. 2d half-year.

Man's place in the geological scale. Physical characters of the earliest known races, their environment and stages of culture. Illustrated by original specimens, casts, etc.

Mr. C. E. JOHNSTON :—

*37 *Insurance.* 2 hrs.

[See Course XIX, B 50, page 149.]

Professor S. E. BALDWIN and Mr. ROGER FOSTER :—

38 *Constitutional Law.* 2 hrs.

Lectures on the basis of Cooley's *Principles of Constitutional Law* and the *Yale Cases on Constitutional Law*.

Professor WOOLSEY :—

39 *International Law.* 2 hrs.

Lectures with written tests, upon the rules governing the intercourse of states, also upon certain topics in American diplomacy. Designed to explain international politics, to train in intelligent citizenship, to assist legal practice.

Dr. C. ROBINSON :—

40 *Reciprocity Treaties.* 1 hr. 1st term.

Lectures covering the reciprocity treaties entered into by the United States ; treating them as diplomatic history, and as illustrations of the operation of the principle of reciprocity in national economy.

HISTORY

Professors ADAMS and BOURNE :—

- 41 *Methods of Historical Research and Criticism.* 1 hr.

The first half of this course consists of a discussion of the principles of historical criticism, for which Langlois and Seignobos' *Introduction to the Study of History* will serve as an outline. The second half, conducted by Prof. Adams, consists of practical exercises in the study of selected historical documents.

For a course in Latin Palaeography see Latin, course 49.

Assistant Professor WILLIAMS :—

- *42 *Ancient Oriental Nations from the earliest times.* 2 hrs.

[See Course XVIII, B 1, page 141.]

Professor PERRIN :—

- [43 *History of Greece to the Roman Conquest.* 2 hrs.

A study of the political, intellectual, and artistic history of the ancient Hellenes, with illustrations from their literature and monuments.

Omitted in 1904-1905.]

Professor WALKER :—

- 44 *General Church History. (1st Course.)* 3 hrs.

The aim of this course for the year 1904-5 is to present an outline of Church history from the beginnings of Christianity to the end of the great Papal schism.

- 45 *Christian Literature from Clement of Rome to Eusebius.* 1 hr.

Characteristic examples of the writings of the chief authors of the post-Apostolic period are discussed with the purpose, primarily, of gaining a conception of Christianity as then interpreted.

Professor ADAMS :—

- *46 *Medieval History (first half).* 2 hrs.

[See Course XVIII, B 5, page 141.]

- *47 *Medieval History (second half).* 2 hrs.

[See Course XVIII, B 6, page 141.]

Professors ADAMS and WALKER :—

48 *Medieval Institutions.*

A two or three years' course. Not a lecture course. The seminary method will be employed throughout and large use will be made of the original material. A rapid reading knowledge of Latin, German and French is required.

[a Professor ADAMS. 2 hrs.

The first year's course considers later Roman and early German institutions, and their combination in the Frankish state ; the development of the papal power and its special institutions ; the institutions of Charlemagne's empire ; the origin of feudalism ; and the beginnings of national governments.

Omitted in 1904-1905.]

b 1 Professor WALKER. 1 hr.

Second year's course discussing French institutions of the Feudal period in general and with special reference to their development from Louis VI to Louis IX.

b 2 Professor ADAMS. 2 hrs.

Second year's course with special reference to Norman and Angevin institutions in England. The course will open with a somewhat detailed study of feudal institutions of the tenth and eleventh centuries, and will then follow the institutional development in England from the Norman conquest to the establishment of parliament.

Assistant Professor WILLIAMS :—

*49 *Medieval Asia and the Mohammedan Conquest.* 2 hrs.

[See Course XVIII, B 7, page 142.]

Professor WALKER :—

50 *General Church History.* (2d Course.) 2 hrs.

This course is in continuation of course 44, but may be taken independently of it. The general outline of Church History is traced from the Reformation to the present time.

- 51 *Four Eminent Theologians, Augustine, Aquinas, Calvin, Edwards.* 1 hr. 2d term.

A brief outline of the life of each of these great theologians is given ; but the chief endeavor is to acquaint the student with their theological and philosophic significance.

Assistant Professor RICHARDSON :—

- *52 *The Renaissance and the Reformation.* 1 hr.

[See Course XVIII, C 1, page 143.]

- *53 *Modern European History to 1789.* 2 hrs.

[See Course XVIII, B 10, page 142.]

- 54 *French Constitutional History.* 1 hr.

A lecture course dealing with the characteristic institutions of the *Ancient Régime*. Bibliographical work will be required from the student.

- [55 *Brandenburg-Prussia under the Great Elector.* 1 hr.

Especial attention will be given to economic and constitutional developments. The main part of the work will consist in the criticism of select documents upon special subjects.

Omitted in 1904-1905.]

- 56 *History of Treaties, 1763-1815.* 1 hr.

- *57 *History of Europe since 1789.* 2 hrs.

[See Course XVIII, C 3, page 143.]

- 58 *Investigation of Special Topics in European History from 1789 to 1815.* 1 hr.

A general knowledge of the period, and ability to read French or German easily, are required.

Dr. FORD :—

- 59 *Seminary in Modern European History.* 1 hr.

The general topic for 1904-5 will be Prussia during the Revolutionary and Napoleonic era. The course will serve as an introduction to the critical and constructive use of sources in both French and German.

60 *History of Prussia in the Nineteenth Century.* 1 hr.

This course will cover the history of Prussia since Frederic the Great with special reference to the formation of modern Prussia, the unification of Germany and the work of Prince Bismarck, parties and problems in Prussia to-day. Lectures and readings.

Professor ADAMS :—

*61 *English Constitutional History to the present time.* 2 hrs.

[See Course XVIII, C 5, page 144.]

Assistant Professor RICHARDSON :—

62 *English History from the accession of the Tudors to the reign of William and Mary.* 2 hrs.

A research course extending through two years.

a. First year, 1485-1603. Particular attention is paid to Henry VII and to constitutional developments under Henry VIII and Elizabeth.

[b. Second year, 1603-1688. The constitutional history of the Puritan Revolution will receive especial attention.

Course b is omitted in 1904-1905.]

Professor WHEELER :—

63 *Constitutional and Political History of England since 1760.* 2 hrs.

Lectures and required reading.

Professor BOURNE :—

*64 *American History [1492-1763].* 2 hrs.

[See Course XVIII, B 15, page 143.]

*65 *American History [1763-1860].* 2 hrs.

[See Course XVIII, B 16, page 143.]

[66 *The American Revolution and the Formation of the Union.* 2 hrs.

A critical study of the English colonial system ; of the causes and political theories of the revolution : and of the forces making for a more compact union of the states.

Omitted in 1904-1905.]

67 *Diplomatic History of the United States.* 2 hrs.

History of the foreign relations of the United States from 1783 to 1865. Special attention is given to the relations with Spanish America and to the annexations of territory.

Professor C. H. SMITH :—

68 *American History (Constitutional).* 1 hr.

(a) A study of the Federal Constitution, tracing the origin, purpose, and working of its principal provisions. Lectures and collateral reading, with an examination at the close of the course.

(b) An extended course of reading in speeches and writings of statesmen and jurists, and decisions of the Supreme Court, with inquiry into important phases of public opinion on the constitution.

69 *United States since 1860.* 2 hrs.

The first half of the year will be given to a study of the Civil War. The second half to a study of Reconstruction, and some other important features of our recent history.

Mr. LEARNED :—

70 *The American Executive, 1780-1830.* 1 hr.

A course of investigation into the history of the Presidency, with some reference to the development of the Cabinet as an institution influencing public policy.

Dr. P. P. WELLS :—

71 *The Southern States before 1860.* 1 hr.

The sources will be investigated upon such topics as agriculture and commerce, movement of population, slave trade, material condition and legal status of the slave, free laborers, slave-holding classes, etc.

Professor BOURNE :—

*72 *History of Spanish America chiefly in the Nineteenth Century.* 1 hr.

[See Course XVIII, C 7, page 144.]

Assistant Professor WILLIAMS :—

*73 *Modern Asiatic History.* 2 hrs.

[See Course XVIII, B 13, page 143.]

*74 *European Colonies in Asia and Africa.* 2 hrs.

[See Course XVIII, C 6, page 144.]

75 *Diplomatic Intercourse with Asiatic Nations.* 2 hrs.

A special study of the relations between the states of Eastern Asia, Europe and America chiefly during the nineteenth century.

Professor BOURNE :—

76 *Historiography in America.* 1 hr. 2d half-year.

A critical survey of historical writing and scholarship in America.

The principles of historical criticism applied to narrative histories which are classed as sources and to selected secondary authorities.

[77 *Modern European and English Historiography.*

1 hr. 2d half-year.

History of modern historical literature and investigation in Germany, France, and England, from the middle of the eighteenth century down to our own time.

Omitted in 1904-1905.]

Professor D. CADY EATON :—

78 *History of Art.*

A course of twelve lectures on French History. These lectures will begin in January, 1905, and will be announced in the University Bulletin.

III. SEMITIC LANGUAGES AND BIBLICAL LITERATURE

EDWARD L. CURTIS, Ph.D., D.D. FRANK C. PORTER, Ph.D., D.D.
BENJ. W. BACON, Litt.D., D.D. FRANK K. SANDERS, Ph.D., D.D.
CHARLES C. TORREY, Ph.D., D.D. CHARLES F. KENT, Ph.D.
FREDERICK LENT, M.A.

Connected with the department are the Seminary rooms, the Reference Libraries, the Special Collections and the Semitic and Biblical Club.

The SEMINARY ROOM in 9 Fayerweather Hall adjoins the two recitation rooms used by the department. It contains a good reference library in Biblical Literature, and can be used for purposes of study at all times.

A REFERENCE LIBRARY, available for students, situated very near to the special library of the department proper, is the Trowbridge Reference Library of the Divinity School. It contains more than 3,000 carefully selected volumes, and is particularly rich in works of reference for Biblical study.

The SALISBURY COLLECTION of Oriental manuscripts, books and works of reference, the library of the American Oriental Society, the collection of rare and valuable Arabic manuscripts, made by Count Landberg, acquired recently for Yale University through the munificence of Morris K. Jesup, Esq., of New York City, and the well-stocked Semitic sections of the general Library, furnish exceptional advantages and opportunities for independent research to the student of Semitic literature.

The SEMITIC AND BIBLICAL CLUB, composed of the instructors, the students who are studying for an advanced degree, and others who are interested in the work, holds stated semi-monthly meetings, at which papers on subjects of interest to Biblical students are presented and discussed.

The BIBLICAL RESEARCH CLUB meets for discussions of a semi-popular character on Biblical subjects.

HEBREW

Professor CURTIS :—

- *1 *Elementary Hebrew.* 4 hrs.
[See page 403.]
- 2 *The Book of Job.* 1 hr.
The grammatical and historical exegesis of the Hebrew text.
Lectures and recitations.
- [3 *Selections from Proverbs, and the Five Megilloth.* 1 hr.
The grammatical and historical exegesis of the Hebrew text.
Lectures and recitations.
Omitted in 1904-1905.]
- 4 *Selections from the Psalter.* 2 hrs. 1st term.
The grammatical and historical exegesis of the text, with attention to New Testament interpretation and homiletical application.
- 5 *The Book of Isaiah.* 2 hrs. 2d term.
The grammatical and historical exegesis of the Hebrew text.

Professor KENT :—

- 6 *Hebrew Seminary.* 2 hrs.
A knowledge of Hebrew, Hellenistic Greek, and German is required. In 1904-1905 the more important syntactical and textual problems presented by the Old Testament prophetic books will be considered.

Mr. LENT :—

- *7 *Elementary Hebrew.* 2 hrs.
[See Course V, B 6, page 101.]
- *8 *Advanced Hebrew.* 2 hrs.
[See Course V, B 7, page 101.]

COGNATE SEMITIC LANGUAGES

Professor TORREY :—

9 *Elementary Arabic.* 2 hrs.

The elements of Arabic grammar, including exercises in writing. Rapid reading of easy prose extracts. The text-books used will be Socin's *Grammar* (2d edit.) and Brünnow's *Chrestomathy*.

[10 *The Koran.* 2 hrs.

Reading of selected suras, with a supplementary study of the life of Mohammed.

Omitted in 1904-1905.]

11 *The Arabic Historians.* 3 hrs. 1st half-year.

The reading of Ibn Hishâm's account of the battle of Bedr.

12 *Arabic Poetry.* 2 hrs. 2d half-year.

The reading of selections from Nöldeke's *Delectus Veterum Carminum Arabicorum*.

[13 *Elementary Syriac.* 2 hrs.

The text-book used is Brockelmann's *Syrische Grammatik*.

Those who intend to make a thorough study of the New Testament or of early Church history will find this course valuable.

Omitted in 1904-1905.]

14 *The Old Syriac Gospels.* 2 hrs. 1st half-year.

The reading of a considerable portion of The Lewis Palimpsest (*The Four Gospels in Syriac*; Cambridge, 1894), with attention to both linguistic and critical phenomena.

15 *Biblical and Palestinian Aramaic.* 2 hrs. 2d term.

Reading of the Aramaic portions of Daniel and Ezra, and other specimens of early Palestinian Aramaic. Marti's *Grammatik der Biblisch-Aramäischen Sprache* and Dalman's *Aramäische Dialektproben* will be used.

16 *Elementary Assyrian.* 2 hrs.

The text-books used will be Lyon's *Assyrian Manual*, 2d edition, and Delitzsch's *Lesestücke*, 4th edition, 1900.

- [17 *Babylonian and Assyrian Historical Texts.* 2 hrs.

Texts will be read in the cuneiform or in transliteration, according to the needs of the class.

Omitted in 1904-1905.]

- [18 *North Semitic Inscriptions.* 2 hrs. 1st half-year.

The Moabite stone ; the Siloam inscription ; the Zenjirli monuments, and other Old Aramaic remains ; selected Phoenician and Palmyrene inscriptions ; coins with Old Semitic legends.

Omitted in 1904-1905.]

- [19 *Elementary Ethiopic.* 2 hrs. 2d term.

The elements of Ethiopic, using Praetorius's *Äthiopische Grammatik* and Bachmann's *Lesestücke*.

Omitted in 1904-1905.]

Advanced courses in Classical and Palestinian Syriac, Old Babylonian, Ethiopic, and Sabaeen and Minaean Inscriptions, and elementary courses in Persian and Coptic, will be given according to the needs of students. Instruction in modern colloquial Arabic (Syrian dialect) will be offered to those who intend to spend a year or more in the American School in Palestine.

SEMITIC PHILOLOGY AND ARCHAEOLOGY

Professor TORREY :—

- *20 *General Introduction to Semitic Philology.* 2 hrs. 1st term.

[See Course 62, page 416.]

- 21 *Studies in Semitic Art and Archaeology.* 1 hr. 2d term.

Informal conferences, supplemented by private reading. The continuation of course 23.

- 22 *Comparative Semitic Grammar.* 1 hr.

This course is for advanced students, and is especially adapted to the needs of those who intend to teach Hebrew. A good knowledge of Arabic grammar is an important prerequisite.

Professor KENT :—

- 23 *The Discovery and Decipherment of the Ancient Semitic Inscriptions.* 1 hr. 1st term.

A review of the history of excavations in ancient Persia, Assyria, Babylonia, and Syria, and the history of the decipherment of Semitic inscriptions.

BIBLICAL LITERATURE

Professor CURTIS :—

- 24 *Ancient Traditions and History of the Jewish People.* 1 hr.

Studies in history and archaeology with the view of determining the meaning and historical value of the Biblical records.

- [25 *Analysis and Exposition of Isaiah, Jeremiah, and Ezekiel.* (English Bible.) 2 hrs. 2 term.

Omitted in 1904-1905.]

- 26 *Analysis and Exposition of the Twelve Minor Prophets.* (English Bible.) 2 hrs. 2d term.

- 27 *Old Testament Introduction.* 1 hr.

A brief survey of the history of the canon, text, and versions, followed by special introduction to the Hexateuch and remaining Old Testament books. Lectures.

- 28 *Problems of Hexateuchal Criticism.* 1 hr. 2d term.

A consideration of the problems of Hexateuchal criticism.

Professor PORTER :—

- 29 *Theology of the Pre-exilic Prophets.* 2 hrs. 1st term.

A course of lectures on the religious and ethical conceptions of Amos, Hosea, Micah, Isaiah and Jeremiah, aiming to set forth their individuality and their significance in the history of religion.

- 30 *Theology of Judaism.* 2 hrs. 2d term.

Lectures on the religious history of the Jews from the Exile to the rise of Christianity, including the later prophets, the religion of the Law, the Psalms, Wisdom books and Apocalypses.

- 31 *Biblical Theology of the New Testament.* 3 hrs.
Lectures on the Teaching of Jesus, the common faith of primitive Christianity, the theology of Paul and the movements of the early post-Apostolic age.
- 32 *Apocalyptic Literature.* 1 hr.
The reading of the principal Jewish and Christian Apocalypses, with a study of the rise of this literature and its significance, and the question of foreign influences in its development.
- 33 *Doctrine of Sacred Scripture.* 1 hr.
A historical study of the rise and significance of the Canonical Book in Judaism and Christianity, with some comparison of the place and value of sacred books in other religions.

Professor BACON :—

- *34 *The Pauline Epistles.* 3 hrs. 1st term.
[See Course V, B 9, page 101.]
- *35 *The Christological Epistles.* 1 hr. 1st term.
[See Course V, B 11, page 102.]
- *36 *Synoptic Gospels.* 3 hrs. 2d term.
[See Course V, B 10, page 102.]
- 37 *The Teaching of Jesus.* 1 hr. 2d term.
Historico-critical exegesis of the discourses of Jesus embodied in Matthew and Luke.
- *38 *New Testament Encyclopedia.* 1 hr. 2d term.
[See Course V, B 12, page 102.]
- 39 *The Book of Acts.* 2 hrs. 2d term.
Critical reading of the Book of Acts with application of the principles of historical and documentary criticism. *Seminar methods.*
- 40 *The History of New Testament Literature.* 2 hrs. 1st term.
Special introduction to the several New Testament books. Text-book : Bacon's *Introduction to N. T. Literature*. Critiques of standard authorities prepared by the class.

41 *The Catholic Epistles.* 2 hrs.

Discussion of problems of criticism and exegesis. First term, First Epistle of Peter ; second term, Epistle of James, Jude, and Second Peter. Alternates with 42.

42 *The Johannine Literature.* 2 hrs.

A critical study of the origins of the Fourth Gospel and the Johannine epistles, including sources and character of the tradition followed. *Seminar* method. Alternates with 41.

43 *Problems of Textual Criticism.* 1 hr. 2d term.

Aims to exhibit the history of the principal textual variants to and forms of the text. *Seminar* method.

Professor SANDERS :—

[44 *Jewish and Christian Laws and Institutions.*

2 hrs. 2d half-year.

A course continuing course 49. A study of the laws and institutions of later Judaism and Christianity, of their historic relationship to each other and to systems which antedated them.

Omitted in 1904-1905.]

*45 *Hebrew Wisdom Literature.* 2 hrs. 2d half-year.

[See Course V, B 3, page 100.]

[46 *The English Bible.* 2 hrs. 2d half-year.

The history of the gradual growth of the English Bible, including the history of the collection and arrangement of the Biblical books and of the various versions which influenced the English version.

Omitted in 1904-1905.]

47 *The Gospels.* 1 hr.

A study of the Gospels with especial reference to their origin and interpretation and to the classification and consideration of the teachings of Jesus.

Professor KENT :—

*48 *Biblical Literature.* 3 hrs.

[See Course V, A 1, page 99.]

[49] *Israelitish Laws and Institutions.* 2 hrs. 1st half-year.

A systematic codification and interpretation of the Old Testament laws as a basis for the study of the origin, development, and significance of Israel's social, political and religious institutions.

Omitted in 1904-1905.]

50 *Hebrew Poetic Literature.* 2 hrs. 1st half-year.

Investigation (on the basis of the English translation) of the characteristics of Hebrew poetry, and a classification and interpretation of the different types found in the Bible.

51 *Bible Seminary.* 2 hrs.

Intended to train advanced students in the accurate and independent investigation of Biblical questions.

The subject for 1904-1905 is the origin, date, analysis, and teachings of the prophetic and apocalyptic writings.

*52 *Historical Origin of Christianity.* 1 hr.

[See Course V, B 1, page 100.]

IV. CLASSICAL AND INDO-IRANIAN PHILOLOGY

TRACY PECK, LL.D.	HENRY P. WRIGHT, Ph.D., LL.D.
BERNADOTTE PERRIN, Ph.D., LL.D.	THOMAS D. SEYMOUR, LL.D.
EDWARD P. MORRIS, M.A. L.H.D.	HENRY R. LANG, Ph.D.
THOMAS D. GOODELL, Ph.D.	E. WASHBURN HOPKINS, LL.D.
HORATIO M. REYNOLDS, M.A.	JAMES W. D. INGERSOLL, Ph.D.
HANNS OERTEL, Ph.D.	CHARLES U. CLARK, Ph.D.
CECIL K. BANCROFT, B.A.	CHARLES H. WELLER, Ph.D.
PAUL V. C. BAUR, Ph.D.	SAMUEL E. BASSETT, B.A.
HENRY B. WRIGHT, Ph.D.	

Students in this department have at all hours unrestricted use of the library of the department. This is in Phelps Hall, near the classical seminary rooms, in a large and well lighted apartment supplied with tables and private lockers. It contains more than three thousand volumes, and additions are made each year, so that the student finds here practically everything needed for

ordinary work in the courses in classical philology, except some periodicals and expensive illustrated works, which are accessible in the University Library.

Special purchases of books will be made for students who are carrying on an investigation, either in connection with their theses or otherwise.

The CLASSICAL CLUB, consisting of the instructors and students in the department, meets in the library room every Saturday evening, to hear reports and papers in the field of classical philology, or to read and discuss the work of some Greek or Latin author. During the year 1904-1905 the club will read from Aulus Gellius and von Wilamowitz-Moellendorff's *Griechisches Lesebuch*.

Graduate students of this University who are approved by the classical instructors are admitted without charge to the American Schools of Classical Studies at Athens and in Rome.

Attention is called to the following allied courses in other departments:

In Ancient Philosophy: Courses I, 28 (Ancient Philosophy); 30 (Plato's Dialogues); 31 (The Philosophical Writings of Cicero).

1 *Classical Seminary.* 2 hrs.

The members are expected to read French and German freely and to have read widely in Greek and Roman literature.

Professor SEYMOUR :—

(a) *Pindar and Bacchylides.* 1st half-year.

Critical, exegetical, and historical studies in selected odes of Pindar and Bacchylides.

Professor OERTEL :—

(b) *A Study of Latin Suffixes.* 2d half-year.

Professor OERTEL :—

2 *Readings in Modern Philological Literature.*

GREEK

Professor PERRIN :—

- [3 *Thucydides*. 1 hr.

Practical exercises in the critical study of the text of Thucydides, following lectures on the MSS. and bibliography of this author. An introduction to the work of the Classical Seminary.

Omitted in 1904-1905.]

Professor SEYMOUR :—

- 4 *The Greek Orators*. 3 hrs.

A study of Greek Oratory, beginning with the orations of Isaeus, and including some of the private orations of Demosthenes.

- [5 *Epic Poetry*. 3 hrs.

Introduction to the critical study of Homer. Lectures followed by a critical interpretation (and exercises in interpretation) of portions of the *Odyssey*, and of the later Greek epics.

Omitted in 1904-1905.]

- [6 *Plato*. 3 hrs.

The *Republic*, and portions of the other dialogues which are most important for its elucidation.

Omitted in 1904-1905.]

- [7 *Aeschylus*. 3 hrs.

Omitted in 1904-1905.]

- 7a *Patristic Greek*. 2 hrs.

The *Apologies* of Justin Martyr, and selected works of Basil and Chrysostom.

Professor GOODELL :—

- 8 *Sophocles*. 3 hrs.

Reading of the seven plays with special attention to the artistic form. Considerable practice is given in reading Greek verse aloud.

- [9 *Euripides*. 3 hrs.

Rapid reading of the nineteen plays.

Omitted in 1904-1905.]

- 10 *Greek Composition.* 2 hrs.
Exercises in translation and free composition, both previously prepared and extemporaneous.

Professor REYNOLDS :—

- 11 *Aristotle's Poetics. Literary Criticism in Ancient Times.* 1 hr.
Interpretation of the *Poetics* and parts of the *Rhetoric*, with selections from Plutarch, Pseudo-Longinus, and Lucian.
- 12 *Late Greek Poetry.* 1 hr.
Reading of the mimes of Herondas, with selections from the Anthology, and from the hymns of Callimachus, and other fugitive poetry.

Professor OERTEL :—

- 13 *Greek Dialects, and Comparative Grammar of Greek Sounds and Inflections.* 2 hrs.

Dr. WELLER :—

- 14 *Xenophon.* 2 hrs.
A brief survey of Xenophon's writings and the critical reading of parts of the *Anabasis*. Study of special topics such as Xenophon's life, style, diction, the route of "the ten thousand," Greek military equipment and tactics.

Mr. BASSETT :—

- 15 *Modern Greek.* 1 hr.
A practical introduction to the subject, using A. Thumb's *Handbuch der neugriechischen Volkssprache*. Particular attention is given to the colloquial language.
- 16 *Introduction to Greek Epigraphy.* 1 hr.
a. The local alphabets, and the more important inscriptions written in them.
b. Attic inscriptions, selected for their historical or antiquarian interest.

Professor PERRIN :—

- *17 *The Testimonies of Aristophanes, Thucydides, and Plutarch to the Career of Pericles* (after B 1). 2 hrs.

[See Course II, C 3, page 97.]

Professor SEYMOUR :—

- *18 *Aeschylus and Pindar.* 2 hrs.

[See Course II, C 1, page 97.]

[Omitted in 1904-1905.]

- *19 *Plato and Aristotle.* 2 hrs.

[See Course II, C 4, page 97.]

- *20 *Greek Testament.* 2 hrs.

[See Course II, B 7, page 96.]

[Omitted in 1904-1905.]

- *21 (a) *The Idylls of Theocritus.* 2 hrs. 2d half-year.

- (b) *Demosthenes on the Crown.* 2 hrs. 1st half-year.

[See Course II, B 6, page 96.]

Professor HOPKINS :—

- *22 *Herodotus.* 2 hrs.

[See Course II, B 5, page 96.]

Professor REYNOLDS :—

- *23 *Homer.* 2 hrs.

[See Course II, B 3, page 95.]

[Omitted in 1904-1905.]

- *24 *Euripides.* 2 hrs.

[See Course II, A 3, page 95.]

- *25 *Lucian.* 2 hrs.

[See Course II, B 8, page 96.]

Mr. BASSETT :—

- *26 *Greek Composition.* 1 hr.

[See Course II, B 9, page 96.]

Dr. WRIGHT :—

*27 *Aristophanes and his Caricatures of Athenian Citizens.*

2 hrs.

[See Course II, B II, page 96.]

LATIN

LATIN LITERATURE

Professor PECK :—

[28 *The Epistles of Horace and the Satires of Persius.* 2 hrs.

The course deals prominently with the ethical and literary standards of the two poets and of their times.

Omitted in 1904-1905.]

29 *Lucretius.*

2 hrs.

About 1500 lines are read critically, the remainder rapidly, with reference to the poetical qualities, the philosophy and the Latinity of the author.

Professor MORRIS :—

[30 *Plautus.*

2 hrs.

Lectures introductory to the study of Plautus, followed by a critical study of the *Bacchides*.

Omitted in 1904-1905.]

Professor OERTEL :—

31 *Selections from Latin Authors on the Latin Language.*

2 hrs.

Reading and interpretation of selected passages from Varro, Cicero, Caesar, Quintilian, Aulus Gellius, possibly also from some grammarians in Keil's collection which bear on questions of Latin grammar.

Assistant Professor INGERSOLL :—

32 *Latin Comedy.*

2 hrs.

A course in rapid reading, designed to supplement the critical work on Plautus in other courses.

Professor PECK :—

*33 *The Character and Reign of Tiberius.*

[See Course I, B 5, page 92.]

[Omitted in 1904-1905.]

*34 *Roman Oratory.*

2 hrs.

[See Course I, C 1, page 93.]

Professor MORRIS :—

*35 *Vergil.*

2 hrs.

[See Course I, C 4, page 93.]

[Omitted in 1904-1905.]

Professors PECK and H. P. WRIGHT :—

*36 *Juvenal, Martial, and Pliny's Letters.*

2 hrs.

[See Course I, B 4, page 92.]

Assistant Professor INGERSOLL :—

*37 *Latin Literature.*

2 hrs.

[See Course I, B 6, page 92.]

THE LATIN LANGUAGE

Professor MORRIS :—

39 *Latin Syntax.*

2 hrs.

Introductory lectures on history, principles and methods ; a study of the ablative constructions.

Professor PECK :—

• *40 *Early Latin.*

2 hrs.

[See Course I, C 9, page 94.]

[Omitted in 1904-1905.]

40a *Latin Epigraphy.*

Such inscriptions are selected as illustrate the development of the language and public and private antiquities.

Professor OERTEL :—

[41 *The Italic Dialects and Comparative Grammar of Latin Sounds and Inflection.*

2 hrs.

Omitted in 1904-1905.]

- *42 *Practice in Writing Latin Prose (Advanced course).* 2 hrs.

[See Course I, C 6, page 94.]

Assistant Professor C. U. CLARK :—

- *43 *Latin Composition.* 2 hrs.

[See Course I, B 10, page 93.]

COURSES IN SPECIAL SUBJECTS

Professor LANG :—

- 44 *Low Latin.* 1 hr.

This course consists of lectures on the history and the grammar of Low Latin, and the study of a Low Latin text.

Assistant Professor CLARK :—

- *45 *Latin Literature of the Early Middle Ages.* 2 hrs.

[See Course I, B 8, page 92.]

- [46 *Latin Literature of the Late Middle Ages.* 2 hrs.

Continuation of 45 up to Dante; lays special stress on relationship of Latin and modern literatures and on transitional character of medieval culture.

Omitted in 1904-1905.]

Assistant Professor INGERSOLL :—

- *47 *Roman Law.* 2 hrs.

[See Course I, B 11, page 93.]

Assistant Professor CLARK :—

- 48 *Introduction to Text Criticism.* 2 hrs.

Reconstruction of the text of Ammianus Marcellinus in the light of Wilhelm Meyer's Law and on the basis of new collations. Either Eyssenhardt's (Berlin, 1871) or Gardthausen's (Berlin, 1875) edition may be used.

- [49 *Latin Palaeography.* 2 hrs.

Facility in reading and dating MSS. acquired by study of the rich University collections of facsimiles, and slides, with special reference to the origin and critical significance of MS. errors.

Omitted in 1904-1905.]

CLASSICAL ARCHAEOLOGY

Dr. BAUR :—

- *50 *Greek Art—I. Sculpture.* 2 hrs.

[See Course III, B 1, page 97.]

- *51 *Greek Art—II. The Lesser Arts.* 2 hrs.

[See Course III, B 2, page 98.]

[Omitted in 1904-1905.]

- 52 *Greek Architecture.* 2 hrs.

The various forms of building-construction are successively examined in informal lectures, supplemented by occasional reports from members of the class.

- 53 *Topography and Monuments of Athens.* 2 hrs.

A combination of the historical and the strictly topographical methods of treatment is adopted. Those who take this course should be provided with the Teubner text of *Pausanias*.

- 54 *Archaeological Exercises.* 2 hrs.

Exercises in the interpretation of archaeological monuments, as illustrating classic life and literature. The monuments are selected largely with reference to the courses offered in Greek and Latin authors.

- *55 *Roman and Etruscan Art.* 2 hrs.

[See Course III, B 5, page 98.]

Professor PECK :—

- 56 *Introduction to Roman Archaeology.* 2 hrs.

This course deals historically with the material development of Rome, starting with the physical peculiarities of Latium.

INDO-IRANIAN PHILOLOGY

Professor HOPKINS :—

- *57 *Elementary Sanskrit.* 2 hrs.

[See Course IV, B 1, page 99.]

58 *Advanced Sanskrit.* 2 hrs.

This course is intended for those that have had already at least one year's instruction in Sanskrit. It is addressed particularly to students of literature, social institutions, and religion.

59 *History of Sanskrit Literature.* 2 hrs.

This course consists in a review of Vedic and classical Sanskrit literature from the earliest times to the Puranic period, with extracts to illustrate the various phases of literary development.

[60 *Pali Language and Literature.* 1 hr.

Intended for those who desire to begin the study of Buddhistic scriptures. Pali is easy for advanced Sanskrit students, and offers much of interest in respect of literature and religion.

Omitted in 1904-1905.]

61 *Avestan Language and Literature.*

For advanced students of Sanskrit.

[62 *Comparative Religion.* 1 hr.

In two parts, the first comprising the principles of religious development, the second illustrating these by studies of special religions. Open to graduates, Juniors, Seniors, and members of the Divinity School.

Omitted in 1904-1905.]

COMPARATIVE GRAMMAR, PHONETICS, AND LINGUISTICS

Professor HOPKINS :—

63 *Introduction to Comparative Syntax.* 1 hr.

An analysis of the syntactical facts presented by the Aryan languages, particularly Sanskrit, Greek, Latin, and early German. A knowledge of Sanskrit is not necessary.

Professor OERTEL :—

64 *Phonetics.*

A general and rather elementary introduction to Phonetics, based on a study of the English, French, and German sound systems, intended to furnish a basis both for the study of the historical phonology and for the practical teaching of the various languages.

65 *Eighteen Lectures on Indo-European Phonology.*

An outline of the most important facts of Indo-European phonology (viz: the vowel-system, the various problems of ablaut, the gutturals, and accent).

66 *Linguistics.*

2 hrs.

An introduction to the scientific study of linguistic development intended for all students of the classics as well as of the modern languages who wish to become acquainted with the general principles and chief problems of linguistic science, modern methods of research, etc.

V. MODERN LANGUAGES AND LITERATURES

THOMAS R. LOUNSBURY, L.H.D., LL.D.	HENRY A. BEERS, M.A.
ALBERT S. COOK, Ph.D., L.H.D.	HENRY R. LANG, Ph.D.
ARTHUR H. PALMER, M.A.	FRED'K M. WARREN, Ph.D.
GUSTAV GRUENER, Ph.D.	WILBUR L. CROSS, Ph.D.
CHARLTON M. LEWIS, Ph.D.	WILLIAM L. PHELPS, Ph.D.
ROBERT N. CORWIN, Ph.D.	ROBERT L. SANDERSON, M.A.
CHARLES S. BALDWIN, Ph.D.	CHARLES C. CLARKE, JR., B.A.
CHARLES U. CLARK, Ph.D.	ALBERT E. CURDY, Ph.D.
KENNETH MCKENZIE, Ph.D.	CLYDE C. GLASCOCK, Ph.D.
WILLIAM O. FARNSWORTH, M.A.	CHARLES G. OSGOOD, Ph.D.
JOHN C. ADAMS, Ph.D.	HOLLON A. FARR, Ph.D.
RUDOLPH SCHWILL, Ph.D.	ROBERT K. ROOT, Ph.D.
FREDERICK B. LUQUIENS, B.A.	

As auxiliary to the regular courses in modern languages and literatures, four clubs hold regular sessions throughout the year. These are The MODERN LANGUAGE CLUB, The ENGLISH CLUB, The GERMAN JOURNAL CLUB, and The ROMANCE JOURNAL CLUB. The first two in particular aim to deal with subjects not too technical in character, and thus to promote a sense of comity among all the workers in the same field.

The MODERN LANGUAGE CLUB, formed of instructors and students in the departments of English, Romance Languages, and German, holds its regular meetings on the

second Saturday evening of each month for the reading and discussion of original papers, and for reports of progress in the field of these studies.

The ENGLISH CLUB, to which are invited all persons, whether members of the University or not, who are interested in the study or teaching of the English language or literature, meets on alternate Monday evenings to listen to the presentation of some topic, and engage in the informal discussion of it. The club never remains in session over an hour, and thus opportunity is afforded for keeping other engagements the same evening.

The GERMAN JOURNAL CLUB has for its object the presentation of reports on the most interesting periodicals published in German, and devoted to the science of Germanic philology.

The ROMANCE JOURNAL CLUB, consisting of the instructors and students in the departments of Romance Languages and Literatures, meets in K, Osborn Hall, every other Saturday morning to report on, and discuss, the results of recent scientific research in this field of study.

The GERMAN SEMINARY ROOM in Fayerweather Hall, where the Journal Club meets, contains a small working library for the use of advanced students in the Germanic languages. It also serves as a general study and working room for such students.

The ENGLISH SEMINARY ROOM, at 135 Elm st., which has lately been enlarged for the better accommodation of graduate students in English, contains the nucleus of a working library. This room is general headquarters for the graduate students in English, and serves for the meetings of the English Club, and for similar purposes.

ROMANCE LANGUAGES

Professor LANG :—

1 *Low Latin.*

[See Classical Philology IV, 44.]

Assistant Professor C. U. CLARK :—

2 *Latin Palaeography.*

[See Classical Philology IV, 49.]

[Omitted in 1904-1905.]

3 *Latin Literature of the Early Middle Ages.* (First year's Course.)

[See Classical Philology IV, 45.]

4 *Latin Literature of the Late Middle Ages.* (Second year's Course.)

[See Classical Philology IV, 46.]

[Omitted in 1904-1905.]

FRENCH

Professor LANG :—

5 *Old French.*

2 hrs.

Introduction to the study of Old French language and literature in general. G. Paris's *Extraits de la Chanson de Roland* (7^{me} éd., Paris, 1902), and *La littérature française au moyen-âge* will be used.

Mr. LUQUIENS :—

6 *General Reading in Old French.*

2 hrs.

This course is intended to supplement course 5. Discussion of the relations of the Old French literary dialects ; explanation in the class-room of representative texts ; outside reading under instructor's direction.

Dr. CURDY :—

7 *Old French Syntax.*

1 hr.

Lectures on the syntax of the Old French period with reference to the Latin and Modern French rules of syntax.

FRENCH LITERATURE

Professor WARREN :—

8 *The Carolingian Epic.*

2 hrs.

9 *The Romantic School.*

1 hr.

Assistant Professor C. C. CLARKE :—

- 10 *French Poetry of the Nineteenth Century.* 1 hr.

Lectures and readings, in French, intended to familiarize the student with the work of representative poets from Lamartine to Henri de Regnier.

Fluent and accurate pronunciation is requisite.

Assistant Professor SANDERSON :—

- *11 *History of French Literature.* 2 hrs.

[See Course VI, C 1, page 105.]

- *12 *Practice in Writing and Speaking French.* 2 hrs.

[See Course VI, C 3, page 105.]

- *13 *Molière.* 1 hr.

[See Course VI, C 2, page 105.]

Mr. FARNSWORTH :—

- 14 *Development of Literary Criticism in France.* 1 hr.

A survey of criticism from the Renaissance to the present time. Boileau, Voltaire, Mme. de Staël, Sainte-Beuve, Taine, and others will be studied in their relation to groups.

PHONETICS

Professor OERTEL :—

- 15 *Phonetics and Linguistics.*

[See Courses IV, 64, 66.]

Assistant Professor C. C. CLARKE :—

- 16 *Phonetics of Modern French.* 1 hr.

Lectures and exercises on the phonetics of Parisian cultivated speech. Incidentally, attention will be given to changes in pronunciation since the year 1500. Students should have studied general phonetics.

PROVENÇAL

Professor LANG :—

- 17 *Provençal Language and Literature.* 2 hrs.

This course comprises a study of the historical grammar of medieval Provençal and of the poetry of the Troubadours.

- 18 *Seminary Course in Romance Languages and Literatures.* 1 hr.

This course is designed to give competent students opportunity and guidance in original research.

During the coming year, the work in this course will center on the study of the Old Spanish epic.

SPANISH

Professor LANG and Dr. SCHWILL :—

- 19 *Spanish (Elementary Course).* 3 hrs.

In this course, stress will be laid on the acquisition of a good pronunciation, and on such a mastery of the grammar as shall lead to an accurate reading knowledge.

Professor LANG :—

- 20 *Spanish Prose of the Nineteenth Century.* 2 hrs.

The object of this course is to give the student fluency in reading. In addition to the work done in the class-room, texts will be assigned for private study.

Dr. SCHWILL :—

- 21 *Reading and Composition in Spanish.* 2 hrs.

This course is designed for those who require the use of Spanish for commercial purposes. The writing of letters and the reading of commercial papers will be especially considered.

Professor LANG :—

- 22 *Spanish Prose of the Sixteenth and Seventeenth Centuries.* 2 hrs.

Lazarillo de Tormes, Cervantes' *Don Quijote* and *Novelas Ejemplares*, etc., will be read in class, while additional work will be assigned for private study.

Dr. SCHWILL :—

- 23 *The Spanish Drama of the Sixteenth and Seventeenth Centuries.* 2 hrs.

This course consists of lectures, reports by students, and the reading in class of selected plays by the chief writers, etc. Open to students who have had two years of Spanish or its equivalent.

Professor LANG :—

- [24 *General View of Spanish Literature.* 1 hr.

The aim of this course is to give the student an outline of the development of Spanish literature. Open to students who have had two years of Spanish or the equivalent.

Omitted in 1904-1905.]

- [25 *Beginnings of Spanish Literature.* 1 hr.

This course comprises a study of the early literature of Castile previous to the fifteenth century, and its relations with the literatures of France and Italy.

Omitted in 1904-1905.]

ITALIAN

Dr. MCKENZIE :—

- *26 *Italian (Elementary Course).* 3 hrs.

[See Course VII, A 1, page 105.]

- *27 *Dante.* 2 hrs.

[See Course VII, B 1, page 106.]

- *28 *Italian Literature.* 2 hrs.

[See Course VII, B 2, page 106.]

- [29 *Petrarch and Boccaccio.* 2 hrs.

A study of the Italian writings of Petrarch and Boccaccio, and their influence on the humanistic movement.

Omitted in 1904-1905.]

30 *Italian Literature of the Thirteenth Century.* 1 hr.

Reading of texts, with reference both to their literary character and to the history of the language. Particular attention will be paid to lyric poetry.

[31 *Fable-literature in the Middle Ages.* 1 hr.

Study of the history of Æsopic fables, with special reference to the medieval French and Italian collections. Lectures, reading, reports on assigned topics.

Omitted in 1904-1905.]

GERMANIC LANGUAGES

GERMAN

Professor PALMER:—

The following courses, 32, 33, 34, 46 and 47, will be given in 1904-1905, according to circumstances and the needs of the graduate students actually in attendance.

32 *Introduction to Germanic Philology.* 2 hrs.

A course introductory to the general study of Germanic philology, dealing with its history, methods, fields, and fundamental facts.

33 *Gothic.* 2 hrs.

An introductory course, especially for those who intend to study German or English historically, in the study of Gothic and its phonological relations to both earlier Indo-Germanic and later Germanic languages.

34 *Early Dramatic Literature of Germany.* 3 hrs.

Studies in the dramatic literature of the sixteenth and seventeenth centuries in Germany.

*35 *Goethe, Life, Shorter Poems and Faust.* 2 hrs.

[See Course IX, C 1, page 110.]

*36 *Goethe, Prose Works.* 1 hr.

[See Course IX, C 2, page 110.]

*37 *History of German Literature, 1624-1832.* 2 hrs.

[See Course IX, C 2, page 111.]

[Omitted in 1904-1905.]

Professor GRUENER :—

- [38 *German Literature of the Reformation Period (1500–1624)*. 3 hrs.

The development of German literature is studied from the beginning of the Reformation to the time of Opitz. Characteristic works are read with reference to the literary, political, social, and religious conditions of the times.

Omitted in 1904-1905.]

- *39 *The Drama of Schiller and his Contemporaries*. 2 hrs.

[See Course IX, B 4, page 110.]

[Omitted in 1904-1905.]

Professor CORWIN :—

- [40 *Old High German*. 3 hrs.

A rather detailed course in the oldest High German dialects and literature. Braune's *Althochdeutsche Grammatik* and *Althochdeutsches Lesebuch*, and the collateral literature for reference.

Omitted in 1904-1905.]

- 41 *History of New High German*. 2 hrs.

The successive periods of the language will be studied, for the purpose of gaining a comprehensive idea of the chief linguistic phenomena in the development of New High German.

Dr. GLASCOCK :—

- 42 *Middle High German*. 3 hrs.

Hartmann: *Der Arme Heinrich* and *Iwein*. *Nibelungenlied*. Selected poems of Walther von der Vogelweide. Selections from Wolfram von Eschenbach's *Parzival*. Lectures and papers.

- [43 *Phonetics of Modern German*. 1 hr.

During the first half-year lectures and practical exercises in phonetics will be given, the primary object of which will be scientific knowledge of the correct pronunciation of modern German.

Omitted in 1904-1905.]

[44 *Sturm und Drang in German Literature.* 1 hr.

Selections will be read from Klinger, Leisewitz, Wagner, Lenz, Müller, Schubart, and, perhaps, Goethe and Schiller. Lectures and papers. Text-books: *Stürmer und Dränger*, *Deutsche National-literatur*.

Omitted in 1904-1905.]

Dr. FARR :—

*45 *German Literature of the Nineteenth Century.* 2 hrs.

[See Course IX, B 5, page 110.]

SCANDINAVIAN

Professor PALMER :—

46 *Old Norse (Icelandic).* 3 hrs.

Grammar, and reading in the Sagas and the Elder Edda.

47 *Norwegian and Danish.* 2 hrs.

The object of this course is to lay the foundation for a reading and practical knowledge of the language.

————— :—

[48 *Swedish.* 2 hrs.

The object of this course is to lay the foundation for a reading and practical knowledge of the language.

Omitted in 1904-1905.]

ENGLISH

Professor LOUNSBURY :—

49 *The Early Victorian Era ; Tennyson and his Contemporaries.* 2 hrs.

Professor Beers :—

50 *Milton and his Contemporaries.* 2 hrs.

The *belles lettres* of the Puritan Revolution. All Milton's English, and some of his Latin, poems, with his most important prose. The Church poets and Cavaliers, Diaries, Memoirs, etc.

51 *Medieval Allegory.* 2 hrs.

The *Purgatory* of Dante, the *Romaunt of the Rose*, and a portion of *Piers Plowman* will be read in class, with other texts illustrative of the subject.

Professor Cook :—

The strictly graduate courses offered below are given according to circumstances and the needs of the graduate students actually in attendance; and special attention is given to the supervision of individual research in any part of the general field.

52 *Encyclopaedia and Methodology of English.* 2 hrs.

A course in the principles and methods of English study, including a general survey of its scope.

A knowledge of German is essential in this course.

53 *Theories of Poetry.* 2 hrs.

A course in the theories of poetry in general, and in the principles of criticism applicable to its various departments, as the epic, dramatic, and lyric.

54 *Dante in English.* 2 hrs.

A course primarily in the *Divina Commedia* and the *Vita Nuova*. Much attention is bestowed upon the historical and literary background of the poet and his works.

[55 *Literary Types.* 2 hrs.

A survey of European literature, with reference to the characterization and illustration of the more important species. Candidates must satisfy the instructor with regard to their proficiency in French, German, and Latin.

Omitted in 1904-1905]

56 *Advanced Old English.* 2 hrs.

Selected works read especially with reference to the acquisition of scholarly methods.

A knowledge of German is essential in this course.

57 *Seminary in English Literature.* 3 hrs.

Critical study of some representative writer or department of literature.

58 *Historical English Prosody.* 2 hrs.

A brief consideration of metres in the related languages, followed by an outline of the subject traced from the Old English period to the present day.

59 *Old and Middle English.* 2 hrs.

An elementary course in the beginnings and earlier development of the English language and literature.

Professor LEWIS :—

60 *Verse Composition.* 1 hr.

Fortnightly practice in composition, with regular appointments for consultation and criticism. A study of the chief varieties of English verse and stanza (such as blank verse, heroic verse, the sonnet, etc.).

61 *Shakespeare.* 1 hr.

A minute study of *Macbeth* and *Hamlet*. Critical examination of the text, and of the work of the leading commentators, and investigation of sources.

62 *Nineteenth Century Poets.* 1 hr.

The course will include Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Rossetti, Clough, Arnold, Morris, Swinburne, and others if time permits. A large amount of reading will be required.

Professor PHELPS :—

[63 *Elizabethan Literature.* 2 hrs.

Studies in the poetry and prose of the Elizabethan period, exclusive of the drama. Lectures, discussions, and preparation of special papers by members of the class.

Omitted in 1904-1905.]

64 *English Literature of the Seventeenth Century.* 2 hrs.

A study of English poetry and prose from Donne to Dryden. The social life of the times is discussed as well as the literature.

*65 *Tennyson and Browning.* 2 hrs.

[See Course XI, B 12, page 117.]

***66 Elizabethan Drama.**

2 hrs.

[See Course XI, B 5, page 115.]

Professor CROSS :—

[67 English Prose Fiction.

1 hr.

The period covered by this course varies from year to year.
Omitted in 1904-1905.]

68 Romantic Verse since 1850.

1 hr.

This course deals mainly with the so-called Pre-Raphaelites, as Dante Gabriel Rossetti and William Morris. These and other poets are studied in connection with medieval romance.

Dr. OSGOOD :—

69 Middle English Romances.

1 hr.

A study of eight or ten characteristic romances in the various groups, with Billing's *Guide* as the principal handbook.

THE USE OF THE LIBRARY

Mr. KEOGH :—

70 Bibliography.

Eight lectures on certain practical aspects of bibliography. Discussion of general reference books ; book reviewing ; classification and cataloguing of books ; filing of notes ; compilation of bibliographies ; printing of theses.

VI. PHYSICAL AND NATURAL SCIENCE

ARTHUR W. WRIGHT, Ph.D.	ADDISON E. VERRILL, M.A.
SIDNEY I. SMITH, M.A.	WILLIAM G. MIXTER, M.A.
EDWARD S. DANA, Ph.D.	CHARLES S. HASTINGS, Ph.D.
FRANK A. GOOCH, Ph.D.	RUSSELL H. CHITTENDEN, LL.D., D.Sc.
SAMUEL L. PENFIELD, M.A.	HORACE L. WELLS, M.A.
LOUIS V. PIRSSON, M.A.	HARRY B. FERRIS, M.D.
JAMES W. TOUMEY, M.S.	CHARLES SCHUCHERT, M.A.
LAFAYETTE B. MENDEL, Ph.D.	HENRY S. GRAVES, M.A.
HERBERT E. GREGORY, Ph.D.	PHILIP E. BROWNING, Ph.D.
ALEXANDER W. EVANS, M.D., Ph.D.	HENRY L. WHEELER, Ph.D.
JOSEPH BARRELL, Ph.D.	WESLEY R. COE, Ph.D.
HARRY W. FOOTE, Ph.D.	EDWARD A. BOWERS, B.A., LL.B.
WILLIAM J. COMSTOCK, Ph.B.	LEONARD M. TARR, M.A.
ANDREW L. WINTON, Ph.B.	ISAAC K. PHELPS, Ph.D.
GEORGE F. EATON, Ph.D.	HENRY H. ROBINSON, Ph.D.
LEO F. RETTGER, Ph.D.	TREAT B. JOHNSON, Ph.D.
WILLIAM E. FORD, JR., Ph.D.	ARTHUR L. DEAN, Ph.D.
GEORGE S. JAMIESON, Ph.D.	

The work in PHYSICS is carried on in the Sloane Physical Laboratory, and the Physical Laboratory of the Sheffield Scientific School in Winchester Hall:

The work in CHEMISTRY in the Sheffield Chemical Laboratory, and in the Kent Chemical Laboratory:

The work in MINERALOGY, PETROLOGY, GEOLOGY, PALEONTOLOGY, and ZOOLOGY in the Peabody Museum of Natural History and in the Kirtland Hall of the Sheffield Scientific School:

The work in PHYSIOLOGY and PHYSIOLOGICAL CHEMISTRY in the Sheffield Biological Laboratory:

The work in COMPARATIVE ANATOMY and GENERAL BIOLOGY in the Sheffield Biological Laboratory:

The work in BOTANY in the Eaton Herbarium, Sheffield Hall:

The work in FORESTRY in the Forest School.

The GEOLOGICAL CLUB is an association of the instructors and graduate students, for the purpose of encouraging the students to prepare papers, and aid in the discussion of current topics of interest in geological subjects.

The PHYSICS JOURNAL CLUB, open to graduate students in Physics, meets weekly for the review and discussion of the current literature in this department of study.

The PHYSICAL CLUB, organized for study, criticism and discussion, holds fortnightly meetings. Open to graduate and advanced students in Physics.

The KENT LABORATORY JOURNAL CLUB meets fortnightly for the review and discussion of current chemical literature.

The CHEMICAL CLUB, composed of instructors, graduate students, and others interested in chemistry, holds fortnightly meetings for the presentation and discussion of papers and reviews of recent work.

The BIOLOGICAL CLUB, composed of instructors, graduate students, and others interested in Biology, meets fortnightly for the presentation and discussion of papers and reviews of recent work.

PHYSICS

Professor A. W. WRIGHT :—

1 *Physics.* 4 hrs.

Theory and methods of physical measurements. Theory and use of instruments of precision. Discussion of results. Reduction of observations. Laboratory practice in the Sloane Physical Laboratory.

2 *Physics.* 4 hrs.

A more advanced course open to those who have pursued course 1 or its equivalent. Higher problems in physical experimentation. Laboratory practice in the Sloane Physical Laboratory. Original investigation.

3 *Study of special problems in Physics and direction of research work in the Sloane Laboratory.*

Professor HASTINGS :—

4 *Physics.* 3 hrs. lectures, 6 hrs. laboratory work.

Lectures on the theory of observation with the method of least squares, and on the theory of electricity and electrical instruments.

Dr. L. P. WHEELER.

5 *Theory of Electrons.* 1 hr.

The lectures will treat of that explanation of certain of the properties of matter and of the phenomena of electro-magnetism which is based on the hypothesis of an atomic structure of electricity.

For courses in Mathematical Physics, see VII.

CHEMISTRY

(COURSES IN THE SHEFFIELD CHEMICAL LABORATORY)

The analytical laboratories of the Sheffield Scientific School are open to students in term time from 9 to 1 and from 2 to 5 o'clock, every week-day except Saturday. The greater part of the instruction is given in the laboratory to each student separately, but the various classes have, in addition, two or more lectures or recitations a week, in connection with the studies pursued in the laboratory.

Professors MIXTER and WELLS, Assistant Professors FOOTE, WALDEN and H. L. WHEELER, Mr. COMSTOCK, Doctors JAMIESON, JOHNSON and WINTON.

Professor MIXTER :—

6 *Chemical Physics.*

Especially the methods employed in the determination of molecular masses and specific heat.

Professor WELLS :—

7 *Qualitative Analysis.* 1st term 15 hrs.

Embraces a study of the commonly occurring elements in their qualitative relations, and includes a systematic course of analysis for the same.

8 *Quantitative Analysis.* 1st and 2d terms 15 hrs.

This course embraces gravimetric and volumetric analysis and also ultimate organic analysis.

9 *Inorganic Preparations.* 1st half of 2d term.

A course of laboratory work, with lectures and recitations. About thirty or forty compounds are prepared, which give a variety of important and instructive processes.

10 *Advanced Quantitative Analysis.* Both terms 15 hrs.

(a) *Metallurgical Chemistry.* The analysis of ores, fuels, fluxes, alloys, metals, and other furnace products.

(b) *Mineralogical Chemistry.* The analysis of minerals for scientific purposes.

11 *Metallurgy and Assaying.* 2d half of 2d term.

A course of recitations and lectures on elementary metallurgy, followed by a short course of demonstrative lectures on gold and silver assaying.

12 *Technical Gas-Analysis.* 2d half of 2d term.

A short practical course, including the principal methods.

13 *Investigations in Inorganic Chemistry.* Both terms 15 hrs.

Opportunities are offered, to those who have had sufficient preparation, to make researches upon analytical methods, the preparation of chemical compounds, and other scientific problems.

Mr. COMSTOCK :—

14 *Elementary Organic Chemistry.* Both terms.

During the first four weeks of the second term the afternoon exercises are omitted and daily laboratory work substituted.

15 *Organic Chemistry.* 2 hrs. 1st term.

A continuation of the above course. Recitations and lectures.

Assistant Professor H. L. WHEELER and Dr. JOHNSON :—

16 *Advanced Organic Chemistry.*

This offers an opportunity for more extended study and original investigation to those who have proper preparation.

17 *Organic Preparations.* 2d term.

Laboratory work, consisting of five exercises per week, in the preparation of such compounds as will give familiarity with the most important synthetical methods.

Dr. WINTON :—

- 18 *Proximate Organic Analysis.* 1st half of 2d term.

Lectures on the chemical composition and microscopical characters of vegetable and animal substances (including foods) and laboratory practice in the detection and quantitative determination of the various constituents.

- 19 *Advanced Proximate Organic Analysis.* 2d half of 2d term.

A continuation of the preceding course. Special attention is given to the detection of adulteration by chemical and microscopical methods.

- 20 *Agricultural Chemical Analysis.*

Laboratory practice in the analysis of fertilizers, cattle foods, dairy products, and various other agricultural materials. Special attention is given to the microscopical examination of cattle foods.

Assistant Professor FOOTE :—

- 21 *Physical Chemistry.* 2d half of 2d term.

A course of lectures on the theory of Physical Chemistry with special application to biology, one hour weekly.

- 22 *Physico-Chemical Measurements.* 2d term.

Laboratory practice in the more important methods of Physical Chemistry.

- 23 *Electro-Chemistry.* 2d term.

Experimental work in Electro-Chemistry, including the usual measurements, quantitative electro-analysis, and the synthesis of organic and inorganic compounds.

Dr. JAMIESON :—

- 24 *Sanitary Water-Analysis.* 1st half of 2d term.

A practical course in the chemical examination of drinking-waters. Two exercises of three hours each per week.

(COURSES IN THE KENT LABORATORY)

The Kent Laboratory is open from 9.00 A. M. to 1.00 P. M., and from 2.00 to 5.00 P. M. excepting Saturdays, to students who take strictly graduate courses.

Professor GOOCH, Assistant Professor BROWNING, Dr. PHELPS and Dr. VAN NAME :—

*25 *Inorganic Chemistry.* 3 exercises—6 hrs.

[See Course XIV, A 1, page 125.]

Assistant Professor BROWNING :—

*26 *Qualitative Analysis.* 3 exercises—5 hrs.

[See Course XIV, B 1, page 125.]

Professor GOOCH and Dr. PHELPS :—

*27 *Organic Chemistry.* 3 exercises—5 hrs.

[See Course XIV, B 2, page 125.]

Professor GOOCH :—

*28 *Quantitative Analysis.* 2 exercises—6 hrs.

[See Course XIV, C 1, page 126.]

29 *Quantitative Analysis (second course).*

Practice in the more complex processes of gravimetric, volumetric, and electrolytic analysis.

30 *Chemical Theory.* 1 hr.

The historical development of the theories of chemistry.

31 *Special Methods.*

Laboratory practice in special methods of analysis.

32 *Research in Inorganic Chemistry.*

(a) Special problems of *analysis*—criticism of known processes or development of new methods.

(b) The critical examination of reactions.

Assistant Professor BROWNING :—

33 *Inorganic Preparations.* 2 hrs.

A short course, mainly laboratory work, covering typical methods for the preparation of inorganic salts.

34 *The Rare Elements.* 2 hrs.

Lectures with laboratory work covering the principal reactions of the elements not included in the general course.

Dr. PHELPS :—

35 *The Carbon Compounds—Descriptive and Theoretical.* 3 hrs.

A course of lectures treating systematically the more important compounds of carbon and the theories concerning them.

36 *Organic Synthesis.*

Laboratory practice in synthetical processes too long or complicated to be included in the experimental work of course 26.

Dr. VAN NAME :—

37 *Physical Chemistry.* 1 hr.

An elementary course of lectures covering the more important theories of physical chemistry, including electro-chemistry.

38 *Physico-Chemical Methods.* 4 hrs.

A laboratory course affording practice in a number of the typical processes and measurements of physical chemistry, including electro-chemistry.

MINERALOGY

Professor PENFIELD :—

39 *Determinative Mineralogy.* 3 hrs.

The object of this course is to gain familiarity with the common minerals together with facility in their identification.

40 *Crystallography and Descriptive Mineralogy.*

2 hrs. 1st half of 2d term, 3 hrs. 2d half of 2d term.

These two subjects are treated together, a group or class of crystals being first studied and then the mineral compounds belonging to that class. Instruction is given by means of lectures and practical demonstrations.

41 *Experimental Work in Crystallography.* Daily.

The chief features of this course are the measurement of the angles of crystals with the reflection goniometer; the plotting of the forms in the stereographic projection; the calculation of axial ratios and of the symbols of crystal faces; and the drawing of crystal forms and combinations. A knowledge of plane trigonometry is indispensable, and some experience in mechanical drawing is most desirable.

42 *Experimental Work in the Optical Properties of Crystals.*

Daily.

In this course the optical properties of crystals are studied and determined. A knowledge of optics is indispensable.

43 *Original Investigation in Mineralogy and Crystallography.*

Those who are sufficiently advanced may undertake research work in mineralogy and crystallography. Such work may be along the lines of analytical chemistry for determining the composition of minerals, or the crystallographic and optical properties of minerals may be studied.

Dr. FORD :—

44 *Economic Geology.* 3 hrs. 2d half of year.

A course of lectures which describes the general principles of ore deposition and illustrates them by reference to the most important and typical ore deposits of North America.

PETROLOGY

Professor PIRSSON :—

45 *Petrology.* Daily, 9 A. M. to 1 P. M.

This is a full course in Petrology in all its branches. For further particulars consult the Professor in charge.

46 *Elementary Petrology.* 1 hr. 1st half of 2d term.

Lectures of an elementary nature on the characters, origin, and classification of rocks with reference to their geologic relations and economic properties. Illustrated by diagrams, specimens, etc.

GEOLOGY

Professor PIRSSON :—

*47 *Elementary Structural and Dynamical Geology.*

3 hrs. 1st half-year.

[See Course in Geology, page 254.]

Professor GREGORY and Assistant Professor BARRELL :—

*48 *General Geology.*

2 hrs.

[See Course XV, A 3, page 127.]

Professors GREGORY and BARRELL and Dr. ROBINSON :—

*49 *Geology, with field and laboratory work.*

1 hr.

[See Course XV, A 4, page 128.]

Dr. H. H. ROBINSON :—

50 *Field Geology.*

6 hrs., to count as 3 hrs.

The course will consist of field work upon selected areas in the vicinity of New Haven, supplemented by lectures and laboratory exercises upon the construction and use of topographic and geologic maps.

Professor GREGORY :—

51 *Geology of Connecticut.*

A study of some problem connected with the physical geology of Connecticut. The work will be carried on in connection with the United States Geological Survey and a report which may be presented as a thesis for an advanced degree will be required.

*52 *Physiography.*

2 hrs.

[See Course XV, C 5, page 129.]

53 *Physiography.*

The origin, development and classification of land forms, as illustrated by some area selected for special study.

Assistant Professor BARRELL :—

54 *Structural Geology.* 2 or 3 hrs.

An advanced course consisting of studies on such subjects as weathering, sedimentation, folding, faulting, metamorphism, mountain building. The exercises will consist of lectures, the study of geological literature and excursions.

55 *Dynamical and Structural Geology.*

This will ordinarily include the preceding course but is more extended. Intended for those who wish to specialize in geology. Problems for investigation will be assigned and petrography is required.

In 1905 and thereafter Summer Courses will be offered also by Yale University.

A circular containing a description of the courses offered for the season of 1904 may be obtained from the Dean, and any further details may be obtained by addressing Professor Gregory.

Mr. TARR :—

56 *Meteorology.*

This course includes the physics of the atmosphere, the development and movement of storms, forecasting of the weather and laboratory and research work at the U. S. Weather Bureau office.

BIOLOGY

Professor VERRILL :—

67 *Zoology.*

Laboratory practice, recitations, and lectures. Laboratory work is varied to accommodate students who wish to pursue special branches. Most of the time is devoted to comparative anatomy, morphology, and systematic zoology.

Professor S. I. SMITH and Assistant Professor COE :—

*58 *General Biology.* 3 hrs.

[See Course XVI, B 1, page 130.]

*59 *Comparative Anatomy and General Biology.* 6 hrs. 2d term.

[See Course in Comparative Anatomy, page 251.]

60 *Comparative Anatomy and General Biology.*

Advanced courses adapted to the particular wants of the individual student may cover either or both terms, and require at least six hours of laboratory work per week.

***61** *Morphology and Embryology of Vertebrates.*

2 hrs. 1st term.

[See page 251.]

Assistant Professor COE :—

62 *Biology of the Cell.*

Practical work supplemented by informal lectures on the structure and manifestations of the animal cell, with special attention to the problems connected with the phenomena of growth, heredity and evolution.

63 *General Embryology.*

Laboratory work and informal lectures on the development of certain types of invertebrates, followed by a similar study of the elementary principles of vertebrate embryology.

In addition to the above, special courses may be arranged for either term to meet the requirements of individual students.

Dr. EATON :—

64 *Comparative Osteology.*

2 hrs.

An elementary course especially designed as a preparation for the study of Vertebrate Paleontology. Laboratory work in which the most important types of the vertebrate skeleton are studied and compared.

Professor FERRIS :—

65 *Comparative Morphology of the Vertebrate Brain.*

1 hr.

The instruction is given by lectures and dissections. It covers the development of the brain and the dissection of the brains of several vertebrates, including man.

Professors CHITTENDEN and MENDEL :—

66 *Physiological Chemistry.*

An advanced course for graduate students who have sufficient knowledge of analytical and organic chemistry and elementary physiology or general biology. Students properly qualified may pursue special subjects in physiological chemistry.

67 *Research Work in Physiological Chemistry.*

To those suitably trained opportunity for undertaking research work independently or under guidance will be given; and the facilities which the laboratory affords will be placed freely at their disposal.

68 *Experimental Physiology.* 3 hrs.

Essentially a laboratory course intended to afford experimental acquaintance with certain departments of physiology, and giving particular attention to general physiological methods.

69 *Physiological Seminary.* 2 hrs. both terms.

A study of the recent advances in physiology and physiological chemistry involving the preparation of reports and reviews of papers appearing in the current German, French, and English physiological literature.

Professor CHITTENDEN :—**70** *Experimental Toxicology.* 2d half 2d term.

A course of about twenty lectures, with demonstrations on the physiological action of the more important mineral and alkaloidal poisons, supplemented, if desired, by laboratory work.

***71** *Physiology.* 1 hr.

[See page 251.]

***72** *Physiological Chemistry.* (Shorter course.) 2½ hrs.

[See Course XVI, C 1, page 130.]

73 *Physiology of Nutrition.* 3 hrs. 1st half 2d term.**Dr. RETTGER :—****74** *Bacteriology and Hygiene.* 4 hrs.

Essentially a laboratory course supplemented by lectures. Practical instruction is given in bacteriological diagnosis and technique in general. Opportunities are offered also for advanced work and research.

Assistant Professor EVANS:—

*75 *Elementary Botany.* 4 hrs.

[See Course XVII, A 1, page 132.]

76 *Morphology of Plants.* 4 hrs.

Laboratory work and informal lectures. Beginning with the simplest forms, the various groups of plants are taken up in suitable types, and their structure, and development are studied and compared.

77 *Advanced Morphology and Taxonomy of Plants.*

The botanical laboratory is open throughout the year to graduate students, properly qualified, who may wish to pursue advanced studies along some special line in morphological or taxonomic botany.

Dr. DEAN:—

78 *Plant Physiology.*

Opportunity is afforded students possessing adequate knowledge of physics, chemistry, and plant structures to study vegetable physiology. Investigation is especially directed to nutrition and metabolism, using chemical methods of study.

FORESTRY

The following courses given in connection with THE FOREST SCHOOL are open to graduate students.

Professor TOUMEY and Mr. GRAVES:—

79 *Forest Botany.*

Biologic and taxonomic studies of woody plants; the external and internal morphology of the vegetative organs of forest plants with special reference to the structure and development of the woody stems; the origin and distribution of forests and the relation of forest trees to their environment.

Professor BREWER:—

80 *Forest Physiography.* 15 lectures 1st half 2d term.

The mutual relations of forest and climate; of soil and geologic features; the geographic distribution of forests; character of the forests of various countries; relation of forests to mankind.

Mr. BOWERS :—

81 *Forest Administration and Law.*

Administration of the forests on the public domain of the United States, reviewing the laws and regulations relating thereto, and the decisions of the courts on timber trespass, riparian rights, etc.

Professor GRAVES :—

82 *History of Forestry.* 2 hrs. 1st half 2d term.

Rise of Forestry abroad and in the United States. Present practice of Forestry in foreign countries.

VII. MATHEMATICS

CHARLES B. RICHARDS, M.A.
A. JAY DuBOIS, Ph.D.
ANDREW W. PHILLIPS, Ph.D.
PERCEY F. SMITH, Ph.D.
HENRY A. BUMSTEAD, Ph.D.
HERBERT E. HAWKES, Ph.D.
ARTHUR S. GALE, Ph.D.
EDWY L. TAYLOR, C.E.

EUGENE L. RICHARDS, M.A.
WILLIAM BEEBE, M.A.
JAMES PIERPONT, Ph.D.
SAMUEL E. BARNEY, C.E.
WILLIAM A. GRANVILLE, Ph.D.
EDWIN B. WILSON, Ph.D.
MAX MASON, Ph.D.
DAVID R. CURTISS, Ph.D.

Connected with the department are the Seminary rooms, the Mathematical Laboratory, the Collection of Models, the Mathematical Club, the Engineers' Club.

The SEMINARY ROOMS, which are at 90 High street, may be used by all students in mathematics. The seminary rooms afford a place for students to meet for the discussion of mathematical questions, and study. There is a good departmental reference library, and also a collection of drawings and models made by students of previous years illustrating various theories. Many of the lectures in this department of past years have been reported and are here to be found bound and ready for consultation.

The MATHEMATICAL LABORATORY occupies a commodious room on the floor below the seminary rooms. It is

well equipped with tools and drawing instruments necessary to construct mathematical models. Students are given direction and advice for the proper and expeditious construction of models more or less elaborate, illustrating the subjects they are studying. Such models and drawings serve to develop the student's geometrical intuition as well as to make more clear the particular theory in hand. Students who expect to become teachers will find the laboratory most useful in acquiring facility in preparing simple models to illustrate subjects they may later have to teach.

The COLLECTION OF MATHEMATICAL MODELS is one of the most extensive in the country, and is constantly growing. Besides a very complete selection of plaster and thread models from Brill and Schilling, etc., the collection contains a large number of models illustrating the teaching of solid geometry, the theory of equations, and various kinematical principles, as well as the theory of twisted curves and surfaces which have been made under the direction of instructors of the department.

The MATHEMATICAL CLUB holds fortnightly meetings, at which are presented summaries of articles in current periodicals and recent works on pure and applied mathematics, descriptions and models of new apparatus, also papers containing the results of the original investigations of the instructors and advanced students in this department. All students are encouraged to prepare papers which, while not original, give a comprehensive survey of some field of mathematics, or treat from a new standpoint some question of general interest to the members of the club.

The ENGINEERS' CLUB meets monthly in North Sheffield Hall for the reading and discussion of papers on subjects relating to the different branches of engineering.

Lectures are occasionally given before the club by professional experts.

Professor BEEBE :—

[1 *Celestial Mechanics.* 2 hrs.

Development of formulae and numerical calculations for determining parabolic and elliptic orbits.

Computation of an ephemeris and reduction of observations.

The theory of perturbations with numerical applications.

Omitted in 1904-1905.]

Professor PIERPONT :—

2 *Projective Geometry.* 3 hrs.

Both the analytic and synthetic methods will be used to develop the fundamental properties of points, lines, planes, conics and quadric surfaces.

3 *Theory of Functions of a Complex Variable.* 3 hrs.

The subject will be treated from the standpoint of Cauchy and Riemann. After the general theory has been developed, a rapid survey will be taken of certain special functions.

4 *Theory of Numbers.* 3 hrs.

The first part of the course will deal with certain parts of the old classical theory. The latter part will take up the theory of algebraic numerical bodies.

Professor P. F. SMITH :—

5 *Advanced Differential Geometry.* 3 hrs.

This course will acquaint the student with the results of modern research along the lines indicated by the title. A thorough and comprehensive first course is assumed.

Assistant Professor BUMSTEAD :—

[6 *Problems in Mathematical Physics.* 2 hrs.

The application of the general equations of physics to the solution of definite problems possessing theoretical or experimental interest.

Omitted in 1904-1905.]

Dr. GRANVILLE :—

7 *Analytic Geometry.* 2 hrs.

An intermediate course involving the Calculus.

Books of reference : Niewenglowksi, *Cours de géométrie analytique* ; Salmon, *Higher Plane Curves and Geometry of Three Dimensions*.

Assistant Professor HAWKES :—

*8 *Geometry.* 2 hrs

[See Course XII, B 5, page 121.]

9 *Determinants and Invariants.* 2 hrs.

Determinants, especially from Kronecker's point of view. Invariants belonging to binary and ternary forms with geometrical interpretation.

Dr. WILSON :—

10 *Advanced Calculus.* 2 hrs.

Gives the student an extended and practical formal knowledge of Calculus such as is of great use in pure mathematics and indispensable in the applications to engineering and physics.

11 *Introduction to Mathematical Physics.* 2 hrs.

This course is to meet the needs of students of physics, engineering, theoretical chemistry, and to afford students of pure mathematics an insight into the simpler applications.

12 *Electro-magnetic Theory of Light.* 2 hrs.

A mathematical investigation of the laws of light based on the assumption that light is an electro-magnetic phenomenon. Comparison of this theory with other theories.

Dr. GALE :—

13 *Analytical Mechanics.* 2 hrs.

Applications of the Calculus to the solution of problems on motion and equilibrium of a point, and the uniplanar motion and equilibrium of a rigid body.

14 *Differential Equations.* 2 hrs.

A general course laying particular stress on the technique of the subject, adapted to the needs of students of the various branches of applied mathematics.

Dr. MASON :—

15 *Calculus of Variations.* 3 hrs.

A course in the modern theory of Calculus of Variations, including the method of Hilbert and a study of the Principle of Dirichlet.

Dr. CURTISS :—

16 *Ordinary Differential Equations.* 3 hrs.

An advanced course, based upon a first course in the theory of functions.

Mr. E. L. TAYLOR :—

17 *Scientific Computation.* 2 hrs.

A discussion of the theory and methods of numerical calculation, illustrated by the use of various calculating machines in the possession of the University.

Professor C. B. RICHARDS :—

MECHANICAL ENGINEERING.

This course, arranged for candidates for the degree of Mechanical Engineer, is open also to special graduate students, who are allowed in certain cases to take selected parts. The leading topics are :

18 *Applied Mechanics.*

This includes practical applications of the study of the strength of materials to the designing of machinery, and of hydraulics to the design of turbines and pumps.

19 *Thermodynamics.*

Applications to the compound steam-engine, air compressors and compressed air motors, engines worked by volatile vapors, refrigerating machines, the warming and ventilation of buildings.

20 *Machine-Design.*

Relates to the investigation and design of various kinds of machinery, consisting largely of practical exercises and work at the drawing board.

Candidates for the degree of Mechanical Engineer are required to take also a course in mathematics, to sustain a final examination, and to present a satisfactory thesis on a subject approved by the professor in charge of the course.

Professor DuBois :—*CIVIL ENGINEERING.*

This course offers instruction for advanced graduate students as well as for those students who are regular candidates for the degree of Civil Engineer. It embraces the following topics :

21 *Mechanics of Engineering.* 3 hrs.

Including the application of kinematics, statics, and kinetics to engineering problems.

22 *Construction and Design.* 3 hrs.

Including the strength and properties of materials.

Candidates for the degree of Civil Engineer are required to take, in addition, a selected course in mathematics and practical astronomy, and when the facilities in the physical laboratory permit, a course of laboratory work under the superintendence of the professors in charge. They are also required to sustain a final examination, and to present a satisfactory thesis upon a subject approved by the professor in charge of the course.

To special students, not candidates for the degree of Civil Engineer, a selection of special topics is allowed.

Assistant Professor BARNEY :—**23** *Geodesy and Practical Astronomy.* 2d term.

Methods of observation ; theory of least squares, adjustment of observations. The study of practical astronomy embraces the use of the sextant and engineer's transit for determining time, latitude, azimuth, and needle variation.

24 *Railway Surveying.* Three weeks in June and July.

A preliminary line for a railroad is run out, and from the contour map so obtained a final line is located, cross-sectioned, and estimates are made for construction. The field-work begins the 19th of June and occupies the entire time for three weeks.

25 Sanitary Engineering.**a. Water Supply.**

1st term.

Methods of collecting and distributing water. Designing of reservoirs, pipe systems, and filtration plants.

b. Sewerage.

2d term.

Design and construction of sewer systems, sewage disposal plants, etc.

Assistant Professor TRACY :—

26 Graphic Statics.

A rapid review of fundamental principles, followed by a discussion of those problems in which the methods of Graphic Statics can be used to advantage.

VIII. THE FINE ARTS

JOHN F. WEIR, N.A., M.A. JOHN H. NIEMEYER, M.A., S.A.A.

Professor WEIR :—

1 Technical Course in Painting.

Only those students who have been qualified by a course in drawing can enter the course in painting. The hours for students of the Graduate School must be determined individually. The charge for instruction, entitling the student to all the privileges of the School, is \$25 for the college year.

2 Course in Modeling.

The course consists in modeling from the antique and from the living figure and is supplemented by the lectures given in course 1.

Professor NIEMEYER :—

3 Course in Drawing (Pen and Pencil).

Graduate students may pursue a course in the Art School. The charge is \$25 for the college year, which entitles the student to all the privileges of the School.

IX. MUSIC

HORATIO W. PARKER, Mus.D. SAMUEL S. SANFORD, M.A.
HARRY B. JEPSON, B.A., Mus.B. ISIDOR TROOSTWYK,
H. STANLEY KNIGHT, DAVID STANLEY SMITH, B.A., Mus.B.
 WILLIAM EDWIN HAESCHE, Mus.B.

Mr. DAVID STANLEY SMITH:—

1 *Harmony.* 2 hrs.

The study of chords, progressions, modulation and non-harmonic notes. The work consists of exercises in figured-bass, the harmonization of melodies, and harmonic analysis.

Text-book : Chadwick's *Harmony*.

2 *Counterpoint.* 2 hrs.

Practice in strict Counterpoint, both simple and double, harmonization of chorales, composition of school pieces in a freer style, and analysis of simple polyphonic forms.

Text-book : Bridge's *Counterpoint*.

Professor PARKER:—

3 *The History of Music.*

Lectures on the development of music from its earliest stages, with biographical sketches of composers and practical illustrations at the piano.

Text-book : Parry's *Evolution of the Art of Music*.

4 *Strict Composition.* 2 hrs.

The writing of canons, fugues, and polyphonic choral movements. Each student is required to submit at the close of the year a complete four-voiced fugue.

Mr. WILLIAM EDWIN HAESCHE:—

5 *Instrumentation.* 2 hrs.

Lectures given on the nature, compass, tone-color of all instruments of the modern orchestra. Exercises in practical orchestration, analyzing and playing from orchestral scores, including modern works of various kinds,

Professor PARKER :—

6 *Free Composition.*

The writing of free vocal and instrumental pieces in the smaller forms, and later in the sonata form, either for single instruments or a combination of instruments.

No text-book is used.

Professor SANFORD, Assistant Professors JEPSON, TROOSTWYK, and KNIGHT, Messrs. RABOLD and SCHULTZ :—

7 *Practical Music.* 1 hr.

Instruction is given in Piano-, Organ-, Violin- and Violoncello-playing and in singing. Fees range from \$50.00 to \$100.00 for the college year.

No student is admitted to this course who has not been admitted to one of the theoretical courses. Private piano or organ practice may be obtained for a small fee.

X. PHYSICAL EDUCATION

WILLIAM G. ANDERSON, M.A., M.D., WILLIAM H. CALLAHAN, M.D.

Dr. ANDERSON and Dr. CALLAHAN :—

Physiology and Gymnastics. 2 hrs.

This course is designed for those who intend to teach gymnastics or to direct departments of physical education in institutions of learning. The work comes under two general branches:

(1) *Principles and Practice of Gymnastics.*

Hour to be arranged.

Under this head will be discussed (a) the scientific basis of physical training; (b) history of gymnastics; (c) means employed, such as apparatus and appliances; (d) physical examinations and measurements; (e) pedagogy of gymnastics.

(2) *Anthropometry, Applied Physiology and Hygiene.* 1 hr.

The first term respiration, circulation, digestion and the central nervous system will be considered.

The second term lectures and quizzes on hygiene and personal sanitation.

Third term anthropometry and general physical examinations.

YALE SCHOOL OF THE FINE ARTS

FACULTY

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

JOHN FERGUSON WEIR, N.A., M.A., *Director and Professor of Painting*

JAMES MASON HOPPIN, D.D., LL.D., *Professor of the History of Art, Emeritus*

JOHN HENRY NIEMEYER, M.A., S.A.A., *Professor of Drawing*

JOHN PIERREPONT CODRINGTON FOSTER, M.D., *Instructor in Anatomy*

OTHER INSTRUCTORS

GEORGE HENRY LANGZETTEL, B.F.A., *Clerk, and Assistant in Drawing*

FRANK CRAWFORD BOARDMAN, B.F.A., *Instructor in Modeling*

GEORGE ALBERT THOMPSON, B.F.A., *Assistant in Painting*

JOLINE BUTLER SMITH, B.F.A., *Assistant in Decorative Design*

JOHN IRELAND HOWE DOWNES, B.F.A., *Librarian*

ORGANIZATION AND COURSE OF STUDY

The School aims to provide thorough technical instruction in the Arts of Design, viz : Drawing, Painting, Sculpture, Architecture, and in Illustration, Decoration and Copperplate Etching; also it aims to afford a knowledge of such branches of learning as relate to the Philosophy, History, and Criticism of Art. As a professional School of Art the aim is to furnish a thorough course of study in the practice of the studios, and as a department of the University to provide instruction in the Fine Arts as a constituent part of a scheme of general culture. These departments, of Practice and Criticism, may be regarded as distinct or correlative.

THE TECHNICAL COURSE

The technical instruction, for professional students, is based upon methods well adapted to discipline the faculties and ground the pupil in the elements and fundamental principles which constitute a grammar of Art, as a foundation for all forms of special application. This instruction is arranged as follows :

IN DRAWING, the work is distributed over a three years' course. During the first year the practice of the studio is confined to drawing from the "Antique," from plaster casts ; during the second year, to drawing from casts and the living model ; and during the third year, to drawing from the living model, nude and draped. The classes under the supervision of the Instructor in this department are the antique, portrait, nude-model, and sketching classes. Students showing the requisite proficiency in any class will be advanced to the work of the second or third year according to individual ability. Instruction in this department precedes all special courses in the various branches of Art ; no pupil is allowed to enter any of the advanced classes without this necessary qualification in that degree of proficiency which is deemed essential as a preliminary ground for such studies. Lectures on the principles of decoration, as applied in the various branches of Decorative Art, are included in this department.

IN ANATOMY, instruction is given in the form of lectures, and by drawings made from specimens and casts. The course comprises the study of such portions of the human body as manifestly affect the external forms, the aim being to familiarize the pupil with the characteristics of those parts, independently of their combined action in modifying the external forms. Drawings of these parts are made by the pupils, in connection with the subjects discussed by the lecturer. Advanced studies include the whole structure of the human form in its plastic anatomy and mechanism. The skeleton and muscular system are viewed as a whole, and the modification of the external forms studied in action and repose. The subjects of proportion, equipoise and motion, and expression, are studied, and original drawings required in illustration, made from life, or from Greek sculptures, by reducing the same to their anatomical structure by the imagined removal of the integument.

IN PERSPECTIVE, the instruction is likewise given in the form of lectures, illustrated by examples drawn on the blackboard, explaining the principles under discussion. The lectures are supplemented by

practical exercises. The student is required to work out examples in the interim between the lectures. Objects are treated with reference to their true dimensions, as preliminary to their correct representation on a flat surface, as seen in perspective, at various distances, and from different points of view, including the study of shadows and reflections, and the application of the general principles of perspective to interior and exterior views. The pupil is required to work out problems in illustration of all the principles involved in linear perspective in its application to the various branches of art.

IN PAINTING, the work is divided into an elementary and an advanced course of study. The first studies are devoted to the acquisition of a knowledge of the elements of technical practice, by painting from still-life. When the pupil has acquired some knowledge of the means in representing objects in color, as to their values and relations, the remainder of the course is given to studies of the living model, in portrait, figure, and composition. This is continued while the pupil remains in the School. The course in painting implies, on the part of the pupil, a requisite knowledge of drawing, and drawing from the living model is continued throughout the course in connection with the work in color. The practice of the studio is supplemented by illustrated lectures on Color, Chiaroscuro, Composition, and such other special topics relating to the principles and means of Art as are comprehended in its theory and practice.

IN MODELING, a course is provided, including the anatomical lectures, and drawing. The work in this branch of instruction consists in first modeling in clay, from casts of Greek fragments, the head and other extremities of the human form, and then the whole figure. When the student has sufficient command of the method and means, the rest of the course is devoted to modeling from the living subject.

IN ARCHITECTURE, the course includes drawing, as provided in that special department in its elementary instruction, as well as the course in isometric projection and perspective. Under the instructor in Architecture, studies are made from notable examples of the various orders and styles, in chronological order, with original projects in illustration to be worked out by the student. The means and methods of preparing plans, elevations, sectional and working drawings, and perspective views in india-ink and water-color, are comprehended in the elementary part of this course. Arrangements may be made with other Departments of the University, by which students in Architecture can obtain the requisite instruction in mathematical subjects having a direct bearing on this art, including plane geometry, stone-cutting, the nature and strength of materials, and the principles of construction and engineering.

The course includes a general and comprehensive view of the historic development of the various architectures, with a comparative analysis of the same with respect to their principles of construction and decoration.

Courses are provided in Illustration and in Decorative Design, with technical instruction in the use of various mediums for magazine, book, and newspaper illustration, and modeling in clay or wax.

IN COPPERPLATE ETCHING, a course is provided, and a room set apart for this special study, containing all the necessary appliances of this art, including a press.

COURSE IN THE HISTORY AND CRITICISM OF ART

The instruction in this Department includes courses of lectures by the various Instructors of the School, and other invited Lecturers, arranged to include professional students in regular course, and classes from other Departments of the University where it is recognized as an "elective" study,

A course of technical lectures in the Principles and Means of Art is provided, fully illustrated, embracing the subjects of Line, Chiaroscuro, Color, Composition, and Expression, discussing the technical methods of the Painter, the Sculptor, the Architect, and the Engraver, including an historic account of the technical development of these arts.

The regular prescribed course of study, for professional students, covers a period of three years, but pupils are encouraged to remain in the School and pursue advanced studies after the expiration of the prescribed term. The fees are thirty dollars per term of three months, with an annual fee of ten dollars for the use of the University Library and the appliances of the class-rooms. No pupil is received for less than one term. The tuition fee for a fourth year's attendance is one-half the usual rate; pupils remaining for a longer period are classed as "honorary students"; as such they are exempt from the payment of a tuition fee, but are charged an annual fee of fifteen dollars. The School is open to both sexes; no pupil is

received under fifteen years of age. All applications for admission should be made through the Director. The School opens on the last Thursday in September, and the closing exercises are held on the first of June. At the end of the School-year an exhibition of the work of the various classes of pupils is held, continuing open through the summer months.

ELECTIVE COURSES are provided for the Junior and Senior classes in the Academical Department, as set forth on page 152. Also, a course in Architectural Drawing, and a special course in Free-hand Drawing arranged to meet the requirements of students in the Sheffield Scientific School.

EVENING CLASSES in ILLUSTRATION, MODELING and DECORATIVE DESIGN, are held from seven to ten o'clock during five evenings of the week.

Members of all Departments of the University may enter the Art School, and enjoy its privileges, as "Special Students," on the payment, in advance, of an annual fee of twenty-five dollars.

CERTIFICATES are awarded to pupils remaining in the School through the regular course of three years; and the Degree of BACHELOR OF FINE ARTS is conferred by the University upon those students who have fulfilled the requirements of a prescribed course of advanced studies in the several departments of instruction, and have submitted an approved original composition in painting, sculpture or architecture, and a satisfactory thesis on some topic relating to the Fine Arts. Students from other Art Schools, who have passed through the requisite elementary course in Art, may enter this advanced course, ending in the conferring of the above degree, and passing the requisite examinations.

The WILLIAM WIRT WINCHESTER FELLOWSHIP, for study abroad, supported by the income derived from a fund of \$20,000, will be competed for every two years, provided a preliminary examination of the work of candidates shall

warrant the holding of a competition at the regular time. Competing students must have been pupils of the Yale School of Fine Arts, or of some other Art School of equal standing, for at least two years before entering this competition, which will extend through one year's work in the several departments of instruction. From candidates for this competition, not more than four will be chosen for a final competition, for which a specified subject in composition will be required, in addition to the class-work for the year. The award will be made at the anniversary of the School, the jury being comprised of three well known artists chosen by the Faculty. The successful competitor may hold this Fellowship for two years' residence abroad, subject to certain specified requirements. The right is reserved to withhold the award should the work of the competing students fall below the required standard of merit.

The ALICE KIMBALL ENGLISH PRIZES, the income from a foundation of three thousand dollars, including silver and bronze medals, are awarded annually to students taking the regular courses of study in the School, under such conditions as the Faculty may prescribe.

The ETHEL CHILDE WALKER PRIZE, the income from a foundation of two hundred dollars, is also awarded annually, under certain restrictions.

The JOHN FERGUSON WEIR SCHOLARSHIP, founded by Mr. and Mrs. Carl Stoeckel, will hereafter be awarded to pupils who have been in the School not less than two years.

The ALICE KIMBALL ENGLISH SCHOLARSHIP will be awarded to pupils who have been in attendance not less than one year.

The TROWBRIDGE LECTURE COURSE provides lectures on Art by various invited lecturers outside of the Faculty. This course of lectures is open to all members of the University.

The ART LIBRARY, containing a collection of technical hand books, current art-periodicals, and portfolios of etchings and engravings and other works of art, is open, during specified hours, for the use of students. The pupils of the school are entitled to the use of the University Library, and to such other privileges, under the usual restrictions, as are granted to students in the other departments.

The COLLECTIONS embrace the "Jarves Gallery of Italian Art," numbering one hundred and twenty-two paintings dating from the eleventh to the seventeenth centuries; the "Trumbull Gallery" of historical portraits and other works, numbering fifty-four pictures; the Alden collection of Belgian wood-carvings, of the sixteenth century, comprising about one hundred and twenty feet of wainscoting and three confessionals, from a chapel in Ghent; a collection of contemporaneous art, numbering about fifty paintings; a small collection of original sketches by old masters; a collection of about one hundred and fifty casts and marbles, representative of the various periods of Greek and Renaissance Art; a valuable collection of Chinese porcelains and bronzes, loaned by Professor Frederick Wells Williams; and a collection of Braun autotypes, and other reproductions, numbering about two hundred.

The Collections of the School are open daily, without charge, from 1 to 5 P. M., during term time; also, during the summer vacation from 9 A. M. to 6 P. M., when a fee of twenty-five cents is charged. This fee is also charged when special loan exhibitions are organized, in order to meet incidental expenses.

DEPARTMENT OF MUSIC

FACULTY

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

HORATIO WILLIAM PARKER, M.A., MUS.D., *Dean, and Professor of the Theory of Music*

SAMUEL SIMONS SANFORD, M.A., *Professor of Applied Music*

HARRY BENJAMIN JEPSON, B.A., MUS.B., *Assistant Professor of Applied Music and University Organist*

ISIDOR TROOSTWYK, *Assistant Professor of Applied Music and Instructor in Violin-Playing*

HENRY STANLEY KNIGHT, *Assistant Professor of Applied Music and Instructor in Piano-Forte Playing*

DAVID STANLEY SMITH, B.A., MUS.B., *Instructor in the Theory of Music, and Secretary*

WILLIAM EDWIN HAESCHE, MUS.B., *Instructor in Instrumentation*

CHARLES RABOLD, *Instructor in Singing*

LEO SCHULTZ, *Instructor in Violoncello-Playing*

The Department of Music aims to provide adequate instruction for those who intend to become musicians by profession, either as teachers or as composers, and to afford a course of study to such as intend to devote themselves to musical criticism and the literature of music.

In all the courses, except that in singing, a knowledge of piano-playing is required, though in a less degree if the student plays well some other musical instrument.

The work in the Department is divided into theoretical and practical courses of study. The Department is open to undergraduates and graduates, also to special students. Admission is granted without distinction of sex. No student under 16 years of age will be admitted. The theoretical studies consist of the courses mentioned below

from 1 to 7 inclusive. The practical courses consist of instruction in Piano-, Organ-, Violin- and Violoncello-playing, in Singing and in the playing of Chamber-music (Ensemble playing.) No student will be admitted to any practical course except that in singing, unless he shall already have been admitted to one or more of the theoretical courses.

All applicants for admission to the Department other than Academical undergraduates, or members of the graduate school, will be required to pass an examination in "The Rudiments of Music," by W. H. Cummings, published by Novello, Ewer & Co., of New York. Candidates will not be examined on Chapters I, III, VIII or IX.

The examination will be held on the Wednesday before College opens.

THEORY OF MUSIC

The theoretical courses are subdivided into elementary and advanced. Courses 1, 2, and 3 are considered elementary. At the close of the academic year, students who have completed course 2 may become candidates for a CERTIFICATE OF PROFICIENCY IN THE THEORY OF MUSIC, which will be issued on the completion of course 4, after passing an examination in four-part harmony and counterpoint, in the history of music, and in the structure of song and sonata forms. An unprepared analysis of classical works will be required in addition. Academical students on the completion of the same course, and passing the same examination with distinction, will receive one-year honors in Music.

The advanced courses are numbered 4, 5, 6 and 7. They are open only to students who are able to pass the examination required preliminary to becoming a candidate for the Certificate of Proficiency in Theory mentioned above. Members of these classes at the end of two years' work, or its equivalent, may become candidates for the degree of BACHELOR OF MUSIC. Candidates for this degree must give

their names to the Professor of the Theory of Music at the beginning of the college year. The candidate will be required to pass an examination before a Board of Examiners, consisting of the Faculty of the Department of Music. Satisfactory evidence of proficiency in the theory of music and in any two of the following languages (one of which must be a modern language), Greek, Latin, French, German, Italian, shall be given to the Professor of the Theory of Music, prior to the examination; also, an original composition in one of the forms to be designated by him. The examination will be in advanced Counterpoint, Canon, Fugue, the higher forms of Musical Composition, and impromptu Orchestration. Academical undergraduates, on passing this examination with distinction, will receive two-year honors in Music. The degree of Bachelor of Music will not be conferred excepting for at least two years' work done after the student is entitled to the Certificate of Proficiency in Theory.

The fees for instruction are from fifty to two hundred dollars per year. The fee for the theoretical courses only is fifty dollars per year. These fees may be remitted in whole or in part when the student needs the relief and shows natural talent in such degree as to warrant it, in the opinion of the Faculty. The fee for a Certificate of Proficiency in the Theory of Music is five dollars. The fee for a degree is ten dollars.

1. HARMONY—The study of chords, their construction, relations and progressions. This course covers the following subjects: Intervals, triads, seventh chords, modulations, chromatically altered chords, suspension, organ point, passing and changing notes. Figured bass is used only as a means of designating chords. Attention is turned at once to the harmonizing of melodies. The original principles from which rules are derived are discussed and students are encouraged to exercise and cultivate their own judgment in the application of these principles. Particular attention is given to the natural melodic and harmonic tendencies of tones and intervals. The subject of modulation is treated with special care and at length. Exercises are corrected in the class-room with explanations and illustrations. G. W. Chadwick's *Harmony* is used as text-book.

2. COUNTERPOINT—A thorough knowledge of Harmony is required of students in this course. The work is the harmonizing and supplying melodious additional voices to choral and other melodies used as *Canti Firmi*. Examples of the different orders of Counterpoint in two, three, and four voices are required; also double counterpoint, and more or less free imitative writing. Students in this course are encouraged to try the simpler forms of free composition. Bridge's *Counterpoint* (Novello) is used as a text-book.

3. THE HISTORY OF MUSIC—Lectures are given on the development of music from its earliest stages; History of Church Music from the time of Gregory; history of Opera and Oratorio; biographical sketches of famous composers, with description and analysis of their principal works; history of purely instrumental music, showing the growth and development of musical forms up to their culmination in Beethoven. Practical illustrations of the lectures on musical forms are given in the class-room. *The Evolution of the Art of Music*, by Sir C. Hubert H. Parry, is used as a text-book.

4. STRICT COMPOSITION—The more severe kinds of composition form the basis of work in this course. Harmony in Five and more parts; Threefold and Fourfold Counterpoint; Four- and Three-part Fugues for voices or for instruments; Canons of various kinds, with or without accompaniment of free voices; Free treatment of different kinds of thematic material. This course is preparatory to course 6. No text book is used.

5. INSTRUMENTATION—This course is open only to students who have done the work of courses 1 and 2, and it is strongly recommended that course 4 also should precede it. Lectures are given on the nature, compass, tone-color, and other characteristics of all the instruments of the modern orchestra, with illustrations of their use by great composers. Exercises in the practical orchestration of short pieces from the works of classic and modern composers, in analyzing, reading and playing from orchestral scores, beginning with Haydn and Mozart Symphonies, and embracing modern works of various kinds. Prout's *Instrumentation* and Berlioz's *Orchestration* are used as text-books. (See also under the New Haven Symphony Orchestra, on p. 370.)

6. FREE COMPOSITION—This course is open only to students who have done the work of courses 1, 2, 4 and 5, and have shown unmistakable talent for original composition. Several of the smaller forms of free instrumental and vocal music are composed by the students, and studies are made for larger compositions, which are finished in

case the thematic material offered is of sufficient merit. At the close of the year the student is required to produce an extended work, probably in sonata form. No text-book is used.

7. **ADVANCED ORCHESTRATION AND CONDUCTING**—Students in this course must have done the work of course 5 and be able to write fluently and correctly for all orchestral instruments. Ancient and modern orchestral scores, of which a large number are available, are studied in detail. Orchestration by the students of original or other compositions is examined and criticized. Explanations are given of the principles by which conductors should be guided in the selection and performance of orchestral or choral works. In case the talent of the student warrants it, opportunity is furnished for practice in actual conducting. No text-book is used, but students are required to buy a number of orchestral scores for study.

PRACTICAL MUSIC

The courses in practical music consist of instruction in playing the Pianoforte, the Organ, the Violin and the Violoncello, in Singing and in playing Chamber-music.

No student is admitted to a course in practical music, except in singing, who has not been admitted to one of the theoretical courses.

PIANO—Candidates for admission to courses in piano-playing other than graduate or undergraduate students in the University are required to pass an examination which will include, (1) knowledge of and ability to play all major and minor scales ; (2) at least two of Bach's two-part inventions ; (3) sonata by Haydn or Mozart and (4) a modern pianoforte piece which may be selected by the applicant. Each student receives individual instruction unless the student prefers to enter a class of three. Some proficiency in sight-reading is also required. Professor Sanford will in person exercise supervision over advanced students in the higher branches of the Art, particularly in ensemble- and concert playing.

ORGAN—No student is admitted to the courses in playing the organ until he has acquired a satisfactory knowledge of pianoforte technique. The work includes careful study of organ technique, and of works by representative classic and modern composers in Sonata form and in Polyphonic and Free styles, graded according to the needs of the individual student. Especial attention is given to the pitch, quality,

and possible combinations of the various registers, and to transposition and playing from vocal-score. The mechanism of the instrument is explained and studied in detail.

VIOLIN—Students in violin-playing are received in all stages of proficiency. Beginners are limited to members of undergraduate classes in the University. Others are required to be able to play: (1) the major and minor scales; (2) a study by Kreutzer; (3) concerto No. 23 by Viotti or some composition of equal difficulty.

VIOLONCELLO—Students in violoncello-playing will be received in all stages of proficiency, but beginners must be members of undergraduate classes in the University.

SINGING—Students of singing are required to show that they possess a good or promising voice and an accurate ear. Apart from this they are received in all degrees of proficiency. Especial attention is given to a proper method of breathing, and it is desired to develop the natural voice of the individual rather than to make it conform to any conventional pattern. The work consists at first of sustained tones, scales and arpeggios. Classic and modern songs and arias will be used as they are needed.

CHAMBER-MUSIC (Ensemble Playing)—Instruction is given in concerted playing of chamber-music, using representative trios, string quartets, and sonatas by classic and modern composers as the material for study. Admission to this course is granted only to those students of violin, violoncello, and piano who have attained proficiency in the use of their respective instruments.

DIPLOMAS are awarded to those students of practical music who, having successfully completed a three-years' course of instrumental study, are qualified to act as teachers or to appear as soloists.

Three rooms in Woolsey Hall have been furnished with pianos, and may be used as practice-rooms by students in the Department of Music. The fee for one hour's daily use of such a room during term-time is \$15 for the college year, or \$25 for two hours daily.

Two organs in College Street Hall are available for practice by students of organ-playing. The fee for one hour's daily use of an organ during term-time is \$18 for the college year.

The fees for instruction in instrumental music are as follows :

For Piano (for University students, graduate or undergraduate), .	\$ 50.00 for the college year.			
*For Piano (for other persons), .	100.00	"	"	"
For Organ (for University students, graduate or undergraduate), .	50.00	"	"	"
For Organ (for other persons), .	75.00	"	"	"
For Violin (for University students, graduate or undergraduate), .	100.00	"	"	"
For Violin (for other persons), .	150.00	"	"	"
For Violoncello,	100.00	"	"	"
For Singing (for University students, graduate or undergraduate), .	75.00	"	"	"
For Singing (for other persons), .	100.00	"	"	"
For Ensemble playing (for persons not otherwise connected with the De- partment of Music),	25.00	"	"	"

These fees are exclusive of the fee for instruction in the theoretical courses, which is \$50 for the college year.

Fees in the Department of Music are payable as follows: One-half the amount of all charges for the college year on or before November 15 ; one-half of the balance on or before March 15, and the remainder on or before May 15.

The LOCKWOOD SCHOLARSHIPS, founded by the bequest of five thousand dollars from Miss Julia A. Lockwood, of Norwalk, Connecticut, in 1897, are offered annually to two students in the Department, who shall pass the best examinations in the theory and practice of instrumental music (organ or pianoforte), and in the theory and practice of vocal music, respectively. The Lockwood scholarship in 1905 will be awarded to a student of piano-playing.

* It may be found advantageous to form a limited number of classes in piano-playing of three students each, in which case the fee for instruction will be \$60 for each student for the college year.

THE NEW HAVEN SYMPHONY ORCHESTRA, under the direction of the Professor of the Theory of Music, gives a series of concerts during the winter, to which students in any Department of the University are admitted for a small fee. This organization is a complete and well-equipped orchestra of about sixty players, and is a valuable adjunct to the Department of Music.

Students of orchestration are afforded an opportunity to hear their work actually performed, and any composition which is original and of sufficient merit may be performed publicly.

The same orchestra affords an opportunity to acquire orchestral routine to those students of the violin who are able to pass the examination for admission to the orchestra.

The most advanced students of piano-playing as well as violin-playing are allowed to rehearse with the orchestra, and to perform publicly, if fitted to do so in the judgment of the Faculty of the Department.

Informal recitals by students will be given in College Street Hall from time to time after January 1, and at the end of the college year a concert by students in the Department with the orchestra will be given in Woolsey Hall. At this concert the award of the Lockwood scholarships will be announced and those students whose work during the year has been most satisfactory will appear publicly as composers, conductors or performers.

A prize of \$50 will be given to the student of organ-playing whose work is most satisfactory. The decision will be given at a competitive examination which will be held near the close of the college year.

THE NEW HAVEN ORATORIO SOCIETY, incorporated in October, 1903, "To promote the cultivation of Choral Singing in coöperation with the Department of Music in Yale University," is a large chorus of mixed voices which gives concerts from time to time with the New Haven Symphony Orchestra. Students are admitted to these

concerts for a small fee, and are encouraged to take the voice trials prescribed for admission to the chorus that they may sing with the Society if fitted to do so.

A LIBRARY has been formed for the use of students in the Department, consisting chiefly of orchestral scores, trios, quartets, sextets, etc., and a large number of four-hand piano arrangements of works for orchestra and chamber music. Up to the present time about five hundred works have been acquired and additions are constantly being made. By the use of the library students can familiarize themselves with compositions which are about to be performed at the Orchestra, Chamber-music and Oratorio concerts preparatory to attending the concerts. They can in this manner study classic and modern works which are otherwise not readily accessible.

DEPARTMENT OF FORESTRY

(YALE FOREST SCHOOL)

GOVERNING BOARD

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WILLIAM HENRY BREWER, LL.D., *Professor of Agriculture, Emeritus*

GIFFORD PINCHOT, M.A., *Professor of Forestry*

JAMES WILLIAM TOUMEY, M.S., *Professor of Forestry*

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ALEXANDER WILLIAM EVANS, M.D., PH.D., *Assistant Professor of Botany*

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ANDREW DELMAR HOPKINS, PH.D., *Lecturer in Forest Entomology*

HERMANN VON SCHRENK, PH.D., *Lecturer in Diseases of Trees*

FREDERICK HAYNES NEWELL, B.S., *Lecturer in Forest Hydrography*

OVERTON WESTFELDT PRICE, A.B., *Lecturer in Field Methods*

GEORGE HEWITT MYERS, M.F., *Lecturer in European Forestry*

BARTON WARREN EVERMANN, PH.D., *Lecturer in Fish Culture and Game Preservation*

CLINTON HART MERRIAM, PH.D., *Lecturer in Forest Zoology*

C. I. MILLARD, *Lecturer in Lumbering*

HENRY DALY, *Lecturer in Packing and Pack Transportation*

ENDOWMENT

The Yale Forest School was founded in 1900 by the gift of \$150,000 from Mr. and Mrs. James W. Pinchot and their sons, Gifford Pinchot and Amos R. E. Pinchot. The gift provides for the establishment of a department in the University to be known as the Yale Forest School, for instruction and research in Forestry. The gift also provides for a Summer School of Forestry in Milford, Pike County, Pennsylvania, at Gray Towers, the estate of Mr. James W. Pinchot.

The endowment of the School was increased in 1903 by an additional gift of \$50,000 from Mr. and Mrs. James W. Pinchot, and Prof. Gifford Pinchot.

EQUIPMENT IN NEW HAVEN

Marsh Hall, the residence of the late Professor Othniel C. Marsh, 360 Prospect St., is used as the School building. It is equipped with lecture rooms, a library and reading room, botanical and wood-testing laboratories, and drafting rooms.

The library contains over five thousand books and pamphlets. It includes not only the important modern works on forestry in English, French and German, but also a large number of works published in the eighteenth and the early part of the nineteenth centuries. The library of the late Professor Robert Hartig of Munich was acquired during the past year.

In the reading room about forty periodicals are placed at the disposal of the students. These periodicals include the important lumber journals and the technical forest journals published in this country and abroad.

The botanical laboratory is fully equipped for instruction in General Botany and for class work and special research in Forest Botany. The equipment includes simple and compound microscopes, and other apparatus and material useful in botanical instruction and research. The laboratory is provided with modern facilities for photographic and photo-micrographic work.

An herbarium, containing six thousand mounted sheets of native and exotic trees and shrubs and the more important forest herbs, is arranged for the use of students engaged in research. A large collection of forest tree fruits and seeds is available for students of Forest Botany.

The technological laboratory is equipped for research and instruction in the physical, structural, and mechanical properties of wood. The equipment includes Riehle and Olsen testing machines; planers, lathes and saws for shaping material for testing; xylometers, drying ovens, chipping machines and a dry kiln; as well as a large amount of smaller machinery and tools useful in timber testing. The present arrangement of coöperative work with the Federal Bureau of Forestry gives students of Forest Technology exceptional facilities for research in the strength and other mechanical properties of timber.

A large collection of domestic and exotic woods is available for students' use. This collection contains boards and planks of most of the important economic species. In addition, nearly all the American species are represented by small hand specimens. Among exotic species, the Central American, West Indian and Philippine woods are particularly well represented. Extensive additions to the wood collection will be made from the St. Louis Exposition.

Transits, levels, plane tables, compasses, barometers, calipers, height measures, chains, tapes and other instruments are provided for the courses in Forest Engineering, Forest Mensuration, Silviculture and Forest Management.

The following institutions of the University are open to Forest students: The University Library, the Yale Dining Hall, the University Gymnasium, the Yale Infirmary, and the Bureau of Self Help.

The field work in the fall term, and that of the Junior class in the spring, is conducted in the forests near New Haven. The most important tract devoted to this purpose is Maltby park, an area of about four hundred acres, the use of which has been granted to the School by the New Haven Water Company. Experimental work in Forestry is conducted on this tract by the School. Ample facilities are afforded the students for field research in Silviculture and Forest Mensuration.

EQUIPMENT IN MILFORD, PENNSYLVANIA

In addition to the plant in New Haven, the School is provided with a complete equipment in the field for instruction and research. This is located at Milford, Pike Co., Penn., where the work of the first term of the Junior year, and that of the Summer School, is conducted. The Forest Experiment Station is located at the same place.

A number of buildings have been erected by Mr. James W. Pinchot on his country estate and placed at the disposal of the School. Mr. Pinchot has provided also a tract of about 200 acres for experimental work.

THE STONE COTTAGE.—This building contains a lecture hall, a botanical laboratory, and a small library and reading room.

FOREST HALL.—This is a large stone building, now being built by Mr. Pinchot in Milford for the use of the Forest School. It will contain a spacious lecture hall, which will be used in the spring by the Senior class, and in the summer for all lectures which are open to the public.

JUNIOR HALL.—This is a frame building containing a single large lecture room for the work of the Junior class in the courses in Forest Mensuration and Silviculture.

THE CLUB HOUSE.—This building is designed as a gathering place for evening study and recreation.

THE SCHOOL CAMP.—A fully equipped camp is provided for those who desire to live in tents. It is situated on high dry ground, about 800 feet above sea level, a location which is exceedingly healthful. The tents are erected on board floors and each is furnished with a cot, table, chairs, washstand and crockery. Students are required to provide bed linen and towels. The students take their meals together in a large mess hall.

TRACTS FOR FIELD WORK.—Field work is conducted partly on the tract of 200 acres provided by Mr. James W. Pinchot, and partly in the forests in the immediate neighborhood, which offer excellent opportunities for practical work. One of the Pennsylvania State Forest Reservations is but a short distance from Milford.

THE FOREST EXPERIMENT STATION, which is conducted by the Forest School, is fully equipped for instruction in the methods of advanced research work. The office of the Station is in the Homestead Free Library in the village.

TERMS OF ADMISSION

Applicants for admission to the Forest School must be not less than twenty years of age.

Graduates of colleges or scientific institutions of high standing, who have the requisite knowledge of Botany, Geology, Inorganic Chemistry, and elementary Surveying, are admitted upon presentation of their diplomas.

Candidates for advanced standing may take examinations in any subject, but in case of Forest Management, Forest Mensuration, Silviculture, Lumbering, Forest Engineering, Forest Botany and Forest Technology, they are required, in addition, to present evidence of a specified amount of work done in the field or laboratory. Information regarding the special requirements in each of the above mentioned courses may be obtained from the Director.

All candidates are admitted to the Summer School course (described on pages 393 ff.) provided they are at least seventeen years of age.

REGISTRATION

There are four terms in the Junior year and three terms in the Senior year. Juniors are required to register in Milford, Penn., in July at the opening of the summer term. Seniors register in New Haven in October, when the fall term for the Junior class also opens. In 1905 the summer term opens July 5th and continues ten weeks. The fall term in 1905 begins October 2d.

FEES AND EXPENSES

The annual charge for tuition for the Junior class is \$150, including the summer term, and for the Senior class \$125. There will be no laboratory fees after the year 1904-1905.

Juniors are required to pay the first instalment of the tuition, namely \$50, when they register in July. Bills are sent from the Treasurer's office for the second and third instalments of the Junior tuition and for all payments of the Senior tuition.

The tuition for the Summer School course (described on pages 393-396) is \$25, payable at registration.

Frequent excursions are taken to points of interest near New Haven, involving an annual expense of less than \$15. In the spring term of the Senior year, the work is transferred from New Haven to Milford, Penn. The traveling expenses then incurred are about \$10, exclusive of subsistence, which averages from \$5 to \$7 per week. Satisfactory board and lodgings can be obtained in New Haven at prices ranging from \$7 per week upwards. A charge of \$25 is made for the use and care of a tent during the regular summer term. If two persons occupy one tent, the charge is \$17.50 for each person. The tent fee is paid in advance in two instalments, \$10 on July 1st and the remainder August 1st. The charge for a tent during the session of the Summer School is \$15, payable at the time of registration. Applications for tents should be made before June 1st to Professor Henry S. Graves, New Haven, Conn.

Board in camp varies from \$4.00 to \$5.00 per week.
The fee for graduation is \$5.00.

DEGREE

Graduates of the Forest School, who have previously received Bachelors' degrees from collegiate institutions of high standing, or have had a training which, in the judgment of the Corporation, is equivalent to that obtained in such institutions, are granted the degree of Master of Forestry.

CURRICULUM

The regular course covers a period of two years. The work is of an advanced and technical character and is designed for college graduates who already have had a thorough collegiate training in mathematics and natural science. The regular two years course gives a training for all professional work of forestry, including a preparation not merely for practical work in the woods, but also for the broad work of forest organization in Government and State service, for handling large tracts of forest land, for consultation work for railroads, lumbermen, water companies and other owners, for the work of public lecturing and writing, for teaching, and for scientific research. Special facilities for study are offered to men preparing for Government service in the Philippine Islands, Hawaiian Islands or Porto Rico; and for students from foreign countries who wish to prepare themselves for the work of organization in regions where forestry has not yet been thoroughly established.

Excursions and field work form an important part of the instruction in Forestry. In the Junior year, three days a week in the fall term, and three days a week in the spring term are devoted to practical work in the field. The Senior class devotes between three and four months of the college year to field work. Through the courtesy of the New Haven Water Company, Maltby Park, an area of about four hundred acres, has been placed at the dis-

posal of the Forest School. On this tract the students are given instruction and practice in making estimates of timber, collecting data for the study of the growth and production of native trees, making forest descriptions, marking trees for reproduction and improvement thinnings, preparing forest working plans, tree planting, etc. A number of other tracts near New Haven, which are being managed under systematic forestry, are available for inspection and study. Regular excursions are taken in connection with the course in Forest Botany to train the students in the identification of local species. Frequent excursions are also made by railroad to forest plantations and estates situated near New Haven, which are of interest to students of Forestry.

After the Thanksgiving recess, the Seniors are sent into the lumber woods, where they are required to spend at least three weeks, studying methods of lumbering and the management of logging operations. The lumber camps of Maine, New Hampshire, the Adirondacks, Michigan, Pennsylvania, North and South Carolina, Florida and Texas have been visited and studied in this way. The students on their return are required to prepare a full report of the conduct of lumbering in the region to which they were assigned.

In the spring term of the second year the entire work is transferred to the field. During the spring of 1902 the Senior class assisted in organizing the forest work on the tract of 12,000 acres owned by Mr. Edward H. Harriman, at Arden, Orange Co., N. Y. In 1903 the Senior field work was carried on at the Military Reservation at West Point, N. Y. In 1904 the work was conducted at Milford, Pike County, Pennsylvania. This Senior field work is designed to supplement that done in New Haven during the course and to complete the students' training in practical work in the woods. Practice is given in field Engineering, including the preparation of a topographic map of a specified tract, the preparation of forest maps,

the projection of forest roads, the location of boundaries and the preparation of working plans.

The School offers abundant facilities for research work in all branches of scientific Forestry. The botanical and wood-testing laboratories and the engineering equipment are placed at the disposal of students desiring to do original work. There are excellent opportunities both at New Haven and at Milford for carrying on research work in Silviculture in the field and for studying the results of Forestry in this country and abroad from the books and records in the library. Students who have time outside of their regular course are encouraged to carry on original work under the personal supervision of the professors and instructors. Special credit is given in the school records for such work.

COURSES OF INSTRUCTION

JUNIOR YEAR

Summer Term: Foundations of Silviculture; Treatment of Woodlands; Forest Mensuration.

Fall Term: Forest Engineering; Forest Botany; General Morphology of Plants; Forest Reserves; Physiography.

Winter Term: Forest Botany; General Morphology of Plants; Forest Physiography; Physiography; Drawing and Map Drawing; Forest Entomology; Forest Hydrography.

Spring Term: Forest Botany; Plant Physiology; Forest Seeding and Planting; Physiography.

SENIOR YEAR

Fall Term: Forest Technology; Forest Management; Methods of Government Field Work; Forests of the United States; Forest Administration and Law; Lumbering, three weeks in the field after Thanksgiving.

Winter Term: Forest Technology; Forest Management; Lumbering; Lumber Trade and Markets; Lumber Trade and Transportation; Road Construction; Forest Protection; Diseases of Trees and Preservation of Timber; History of Forestry; Forest Administration Abroad; Forest Policy.

Spring Term: Field work at Milford, Penn.; special lecture courses: Fish Culture and Game Preservation; Forest Zoology; Packing and Pack Transportation; Forest Entomology; Forestry in the Philippine Islands.

DESCRIPTION OF THE COURSES

THE FOREST

General Botany.

- 1 *General Morphology of Plants.* 6 hrs. in three laboratory periods, fall and winter terms.

Dr. EVANS and Mr. A. H. GRAVES:—

Laboratory work and informal lectures. Beginning with the simplest forms, the various groups of plants are taken up in suitable types, and their structure, development, and mode of life studied and compared.

- 2 *Plant Physiology.* 6 hrs. in two laboratory periods, spring term.

Mr. DEAN:—

Chemical composition of plants and soils; formative and metabolic changes of carbohydrates, fats, proteids, and inorganic elements of plants; absorption and transportation of water and food materials; the action of enzymes. A knowledge of the section on Physiology in the Text Book of Botany by Strassburger, Noll and Schimper will be required.

Forest Botany.

- 3 *Dendrology.* 1 hr. throughout the year, and $\frac{1}{2}$ day field work, fall and spring terms.

Professor TOUMEY and Mr. A. H. GRAVES:—

During the fall term biologic and taxonomic studies are made upon the species of woody plants indigenous about New Haven. Special attention is given to the identification of trees in their winter condition. During the winter and spring terms, by means of lectures, laboratory work, field work and herbaria, a general taxonomic study is made of the economic tree flora of the United States. Special attention is given to the characteristics of the various species by means of which they are most readily recognized in the field.

- 4 *External and Internal Morphology, with special reference to woody plants.* 6 hrs. in two laboratory periods, winter term.

Professor TOUMEY and Mr. A. H. GRAVES:—

Special attention is given to the external morphology of the vegetative organs of woody plants. Internal morphology deals particularly with the origin and development of the tissues of woody plants and the arrangement and functions of the tissues. Emphasis is placed upon the structure and development of wood.

- 5 *Forest Geography and Ecology.* 2 hrs. and $\frac{1}{2}$ day field work, spring term.

Professor TOUMEY and Mr. A. H. GRAVES:—

The origin and distribution of forests with special reference to the forests of the United States. Field studies on the distribution of trees in relation to their environment. The genetic development of forests. The preparation of herbaria representing the local tree flora and forest herbs and shrubs.

- 6 *Diseases of Trees.* 2 hrs. or equivalent, winter term.

Dr. H. VON SCHRENK, U. S. Dept. of Agriculture:—

Diseases of living trees, wounds and their healing. Diseases induced by animals and man, climate, atmospheric influences. Diseases caused by vegetable parasites. Their economic importance.

- 7 *Forest Technology.* 2 hrs. lectures, 6 hrs. laboratory, fall and winter terms.

Professor TOUMEY, Mr. A. H. GRAVES, Mr. TIEMANN and Dr. VON SCHRENK:—

The Histology of wood leading to the identification and classifications of the economic woods of the United States and the more important exotic species. Normal and abnormal characteristics which are harmful in timber, and abnormal characteristics, such as burls, bird's eye and curly grain, which give it a special economic value.

The appearance and material condition of wood based upon its physical constitution, and the importance of these properties in determining the value of timber. The importance of color,

gloss, grain, texture, odor and resonance as an aid to identification and in giving value to wood. Wood in its relation to moisture, density, shrinking, warping, swelling, etc., and their effect upon the use of timber.

Dendro-chemistry or the properties of wood based upon its chemical constitution. The chemical constitution of various woods form a qualitative and quantitative standpoint. The carbohydrates of wood, cellulose and lignin, fuel value, pulping qualities, etc. The extractive materials, such as tannin and resin, and the destructive distillates, such as gas, alcohol, acids and tar, charcoal, etc.

The mechanical properties of wood, viz., elasticity, flexibility, hardness, toughness, etc., compression, cross-bending and shearing strength of timber. How these various properties are influenced by species, conditions of growth, and the structural and physical condition of the specimen.

Factors which actually determine the use of the various economic woods in the United States. The uses to which woods are best suited as determined from their structural, physical and mechanical properties.

The decay of structural timber, lasting powers of various species, seasoning of wood, methods for preserving timber in Europe and America, description of preserving plants.

8 *Foundations of Silviculture.* 2½ days per week, 1st half summer term.

Professor GRAVES :—

Principles underlying the life history of trees, their mode of growth, the influences affecting their life and development, their life together in the forest; the conception of forest types, the life history of forest types, modifications of types under adverse conditions, improvement of types by good treatment; the methods of studying the silvicultural characteristics of trees and forests. The lectures are supplemented by extensive field work. Each student is required to conduct original studies of the life history of certain species. Studies are made of the specific characteristics of forms of crown, trunk and roots and the variations of these under different conditions; the relation of the different species to the natural factors of environment, i. e. of climate, light, moisture, soil, etc., relation to adverse factors, such as fire, wind, insects, and disease; growth; production per acre; and reproduction. The life history of stands are studied,

first of typical even-aged and uneven-aged, pure and mixed stands, and then a variety of natural forest types. Students are trained in describing specified stands on small areas, and also are required to report on the forest conditions of extensive tracts.

9 *The Forests of the United States.* 2 hrs. fall term.

Professor GRAVES :—

General forest regions of the United States; silvicultural regions; forest types in each region; discussion of the silvicultural character of the important trees in each type; silvicultural treatment of the different types; problems of forest organization in different regions.

10 *Forest Entomology.* 2 hrs. winter term.

Dr. W. E. BRITTON, State Entomologist of Connecticut :—

This course consists of lectures on economic insects with special reference to those which injure forest trees. The chief types are studied by means of specimens and lantern slides, and the most approved methods of combating the attacks of insects are considered. Other topics such as parasitism, special adaptations, relationship of insects, etc., are briefly treated as incidental to the subject.

11 *Forest Entomology.* 4 to 6 lectures, spring term.

Dr. A. D. HOPKINS, U. S. Department of Agriculture :—

A course of special lectures dealing chiefly with field investigations in the injury to trees and forests by insects.

12 *Fish Culture.* 12 lectures, spring term.

Dr. B. W. EVERMANN, U. S. Bureau of Fisheries :—

Natural reproduction among fishes; artificial propagation of fishes; species propagated artificially in America; the care of fish fry; methods of shipment of eggs, fry, fingerlings and adults; how plants of fish are made; pollution of streams and lakes; fish protection; history of fish culture in America.

The lectures are supplemented by field excursions.

- 13 *Forest Zoology.* 4 to 6 lectures, spring term.

Dr. C. H. MERRIAM, Chief U. S. Biological Survey:—

This course treats of the animal life found in the forest; classification and study of forest animals; game protection; work of the U. S. Biological Survey.

- 14 *Physiography.* 2 hrs. with field work additional.

Professor GREGORY:—

This course consists of a study of the principles of physiography, including a special treatment of the origin, development, and classification of land forms. Part of the year is devoted to the study of the physiography of the United States. The course includes lectures, field excursions, and the study of geologic literature. During the year each student is required to make a detailed soil map of a selected area about New Haven, and to write a complete report upon the same.

- 15 *Forest Physiography.* 2 hrs. winter term.

Professor BREWER:—

General conditions necessary to forests; elementary meteorology; forests as related to temperature and its range; to rainfall and its range; to excess of weather and climate; to the mechanical and chemical nature of soil and ground water; to the geological character of the surface; to the relief-forms of the land; to other geographical features; the geographical distribution of forests; the relation of physiography to the geographical distribution of species of trees; the reaction of forests upon physiography; the aspects of forests as related to climate and topography; the geologic history of forests; the forests in relation to public health and public recreation.

- 16 *Forest Hydrography.* 6 lectures, winter term.

Mr. F. H. NEWELL, Chief Engineer, Reclamation Service, U. S. Geological Survey:—

This course of lectures, illustrated by lantern slides, will consider: Flow of streams; diurnal and seasonable variations; non-periodic fluctuations; regimen of various rivers; effects of forest and cultural conditions on available flow; underground water. Particular attention is given to irrigation economics, and to the work of the Reclamation Service of the United States Geological Survey in the construction and administration of irrigation systems in the arid West.

WORK IN THE FOREST

- 17 *Treatment of Woodlands.* 2½ days per week, 2d half summer term.

Professor GRAVES:—

Principles of reproducing forests by skillful cuttings. Theoretical discussion of the different silvicultural systems of management. Practical silvicultural problems in this country. Application in different American forest regions of the clear cutting methods of natural reproduction, the methods of reserves, the methods of successive cuttings, the selection method, and the coppice methods. Methods of thinnings for the improvement of the character and growth of forests. Description of the work of forestry already done in the United States and Canada, including the cuttings on the Forest Reserves. Complete discussion of the reproduction cuttings employed in Europe, India, Japan, the Philippine and Hawaiian Islands, and the results obtained in practice. This course is largely taught in the field. Practice in making thinnings and other cuttings is given in all possible types of forest found at Milford, Penn.

- 18 *Forest Seeding and Planting.* 2 hrs. lectures and 8 hrs. field work, spring term.

Professor TOUMEY:—

The structure and form of tree seeds, their dissemination, the collecting, vitality, fertility and cost of tree seeds. The storage of seeds and time required for germination. Broadcast seeding, partial seeding, the making of seed beds, and nursery work. Tree planting and the factors governing success. Nurse trees. Pure and mixed planting. The development of a planting plan. A large part of the work is conducted in the field. Every phase of the subject is illustrated by practical work sufficient to enable the students to undertake any work of forest planting which may later present itself.

- 19 *Forest Road, Bridge and Dam Construction.*

1 day per week, spring term.

Assistant Professor MARSTON:—

This course covers only such part of construction work as the forester in his regular duty may be called upon to do. The cheapest and best methods of practical earth road-building.

including locating, reconnoissance, final location, construction profile, gradient under various conditions, drainage, grading materials, culverts, earth works and bridges. Plans and directions are given for building small timber bridges for forest roads. The students are given practical work in the school experiment forest in locating roads, and estimating cost of grading. They also locate on a contour map of a wooded tract, a line of railroad, establishing curves and grades, and estimating cost of construction.

A concise course in the plan and construction of timber dams is given by lectures and lantern slides. No attempt is made to consider other than the simple timber dams used in lumbering purposes in the woods. Improvement of streams for log-driving is included.

20 *Road Construction.*

1 hr. winter term.

Professor BARNEY:—

A course of lectures dealing with the principles of road construction. This course, together with No. 19, is designed to complete the student's knowledge of road building.

21 *Lumbering.*

3 hours, winter term.

Assistant Professor MARSTON:—

This course aims to give the student an understanding of the methods, and the reasons for the methods, of lumbering in each of the great lumbering regions. As a basis for the instruction, the histories in detail of actual operations in the lumbering of Spruce in Maine, of Red Fir in Washington, and of Cypress in Florida are given. Each step in the work is carefully explained and illustrated by lantern slides. The financial side of the business is given particular attention. In the three typical operations for Spruce, Red Fir and Cypress, a detailed statement is shown of the expenditures and receipts of actual operations.

The various differences in method in other regions than the above are explained and illustrated. Each student is furnished blank forms for legal papers that are used in the business, such as contracts, deeds, liens, mortgages, etc. The laws and customs of the lumbering business are briefly defined and explained.

Consideration is given to the mill industry and the manufacture of lumber ; also to pulp manufacture and the utilization of minor forest products.

Camp management and practical woodmanship, with advice as to handling of men, purchase of supplies and equipment, various methods of transportation, etc., are given so far as is possible in the class room.

The class is required to spend three weeks at the end of the fall term in logging camps under the direction of Professor Marston, and to prepare a detailed report of the methods and procedure of the lumber operations observed. To assist in the study and report, a printed syllabus covering the points to be investigated is furnished.

22 *Lumber Trade and Markets.* 1 hr. winter term.

Assistant Professor MARSTON :—

This course consists of a consideration, from an economic standpoint, of the industry in the nation, in the forest regions, in the individual states, and in the various distinct lumber markets. Special attention is given to grading and the requirements of the trade in the great lumber markets of the world. An attempt is made to show the final destination of the various timber trees in the United States. and the effect of different influences, such as tariff, crops, and social conditions, on the industry.

23 *Lumber Trade and Transportation.* 6 to 8 lectures,
winter term.

Mr. C. I. MILLARD, Secretary Chicago Lumber and Coal Company.

Recent development of the lumber trade in America; manufacturing and distributing centers; tendencies of the trade; problems of transportation of logs and lumber; relation of the lumber trade to transportation.

24 *Packing and Pack Transportation.* 2 weeks, spring
term.

Mr. HENRY DALY, Chief Packer, U. S. Army :—

This course includes lectures on the methods of packing; use of different types of pack saddles; different hitches for tying down the pack; selection of pack animals; care of animals. Each student is given practical work in packing horses and mules.

ORGANIZATION OF THE FOREST

25 *Forest Engineering.*

Assistant Professor MARSTON, Mr. ORD and Mr. DIKE:—

This course is designed to give to the student thorough instruction and practical training in those branches of engineering which the forester may be called upon to use. Three whole days per week throughout the fall term of the Junior year are devoted to lectures and practical work in the field and drafting room.

This course prepares the student for the engineering work required in the course in Forest Management, and for the field work in the spring term of the Senior year.

25a *Surveying.*

3 days per week, fall term.

Instruction in the theory of surveying is given by lectures, text-book and reference reading. The student receives a careful drill in the use and adjustment of the compass, transit, level and plane table. The course covers precise and rough land surveying, including topographical surveying and sketching. Particular attention is paid to rapid methods of rough surveying for reconnaissance work and for situations which do not demand a precise and elaborate map. Practice is given in pacing and the measurement of distance without instruments; also in the determination of land areas and the construction of maps without instruments. In topographical surveying special attention is given to the use of the aneroid barometer as an adjunct to the engineer's level for the determination of elevations; also the Batson Sketching Case, which was so extensively used by the U. S. Army in reconnaissance and topographical surveying in Cuba and the Philippines.

A suitable forest tract near New Haven has been selected for final demonstration work. The class is divided for the work into small crews, and each crew is required to gather all the data for a complete and precise topographical map of the tract, which data each student is required to plot, in the course in drawing and map-making.

Practice is given in the running of old boundary lines and the establishing and laying down of new monuments. Celebrated boundary dispute cases, and the decisions thereon by the Court and by engineers, are studied to make the student familiar with boundary law and custom.

The methods of survey prescribed by the General Land Office for the division and survey of the public lands of the United States are given careful consideration.

25b *Drawing and Map Drawing.*

2 half days per week, winter term.

The object of this course is to give to the student a working familiarity with the use of drawing instruments and drafting methods. A short course in mechanical drawing, including geometrical drawing, projections, line shading, working drawings and lettering is given; but most of the attention of the course is directed to map-drawing, including the various methods of plotting, conventional signs, lettering, and the use of colors. Particular attention is given to the reduction, enlarging and copying of maps, including the various methods of blue-printing.

26 *Forest Mensuration.* 2½ days per week, summer term.

Professor GRAVES and Mr. CARTER :—

Methods of determining the contents of logs and other parts of felled trees, the use of American log rules, practical log scaling, the use of the standard, cord, and cubic foot in measuring wood and timber; methods of obtaining the contents of standing trees, the use of height measures and dendrometers, the construction and use of volume tables of standing trees; methods of determining the contents of whole stands, the use of the valuation survey, practical timber cruising; study of the contents of stands for scientific work, determination of the age of trees and of stands, methods of studying the growth of trees, stem analyses, preparation of tables for the average growth of trees in diameter, in height, and in volume; extensive investigations in tree growth, determination of the growth of whole stands, and the construction of yield tables. The use of graphical methods in research work are considered in full in preparing volume tables and tables of growth. During the summer term each student is required to complete an investigation of the growth and yield of some one species. This investigation includes the preparation of volume tables for standing trees, tables of growth in diameter, height and volume, and tables of present stand and future yield.

27 *Methods of Field Work.*

4 lectures, fall term.

Mr. O. W. PRICE, Associate Forester U. S. Dept. of Agriculture:—

The policy of the Bureau of Forestry in its field studies; the organization of its several lines of field work; and the methods under which its field work is conducted, upon public and private forest lands and in independent investigations.

- 28 *Forest Management.* 2 hrs. fall and winter terms,
field work additional.

Professor GRAVES and Dr. B. E. FERNOW :—

Economic principles underlying the management of forest property ; consideration of the ideal or normal forest ; the study of forest production, with a discussion of the results of recent research in Europe and Asia, as well as in America ; methods of determining the value of forests ; the determination of the financial results of Forestry under different conditions ; principles and methods of preparing forest working plans, including a study of the methods used in Germany, France, Austria, Switzerland, Italy, Russia and India.

The field work in the fall term includes the preparation of special reports on selected tracts near New Haven, a working plan for a woodlot of not less than 300 acres, and the determination of the value of a selected forest. In the winter term the students are given practice in the use of the methods of making working plans which are employed in other countries. Problems connected with the management of large tracts are dealt with in the field in the spring term.

- 29 *Forest Protection.* 2 hrs. winter term.

Assistant Professor MARSTON :—

A consideration of boundaries, titles, deeds, trespass, fire, wind, torrents, drifting sand, insects, fungi, cattle and sheep grazing, etc. ; and of legal and practical measures to protect the forest against injury from them, including a consideration of the forest laws of the several States, of the United States, of European countries, and of the Canadian provinces.

ADMINISTRATION OF THE FOREST

- 30 *Federal Forest Reserves.* 12 lectures, fall term.

Professor PINCHOT :—

Economic growth and present industrial situation of the West ; settlement and disposal of public lands ; origin and management of Forest Reserves ; their location and use ; detailed descriptions of the Reserves ; Government Forests of the Philippine Islands.

31 *Forest Policy.* 6 lectures, winter term.

Professor PINCHOT :—

Origins of forest policy ; its objects and principles ; legislation and its causes before 1891 ; legislation and its causes from 1891 to 1903 ; national organization in Forestry ; the forest and other land laws in relation to economic and industrial development ; State forest problems.

32 *Forest Administration and Law.* 2 hrs. fall term.

Mr. E. A. BOWERS :—

The development of the public domain with reference to the creation of a forest policy by the United States and a consideration of laws relating thereto, including rules and regulations governing public lands, forest reserves, and national parks, with references to Federal and State decisions on subjects relating to Forestry.

33 *History of Forestry.* 1 hr. winter term.

Dr. B. E. FERNOW :—

Early forest ordinances in Europe ; beginnings of technical forestry ; development of the technical branches ; history of Government forest administration ; history of forest education in Europe ; Forestry in India, Japan, Australia and South Africa ; history of Forestry in America.

34 *Forest Administration Abroad.* 1 hr. winter term.

Dr. B. E. FERNOW :—

The systems of Forest Administration in foreign countries ; organization of the administrative departments ; force of officers ; duties of each ; effectiveness of the service ; cost ; civil service regulations ; relation to the army.

35 *The Practice of Forestry Abroad.* 6 lectures, spring term.

Mr. G. H. MYERS :—

The practice of Forestry in foreign countries, with special reference to France ; Government forest policy ; methods of forest organization ; revisions of working plans ; critical discussion of the different methods of silviculture ; conversions.

36 *Forestry in the Philippine Islands.*

12 lectures, spring term.

Professor GRAVES :—

Forest regions of the Philippines ; forest types ; description of the most important trees ; timber products ; measurement of timber ; logging and milling ; markets and prices ; Government administration and laws ; duties of inspectors and other officers ; timber permits ; policy of Government in handling public forests. The course includes a discussion of the opportunities for foresters in the Philippines, character of a forester's life, and precautions necessary for health.

SUMMER SCHOOL COURSE.**CURRICULUM**

The purpose of the Summer School is to provide instruction in Forestry for those who do not wish to take, or who are not ready for, the more advanced technical courses at regular Forest Schools. The course is designed for :

I. Students of Forestry who expect later to enter a more advanced technical school. The training at Milford is of great assistance in preparation for the work at the Yale Forest School.

II. Students who contemplate entering the profession of Forestry, and are unable to make a definite decision.

III. Advanced students of Forestry who desire to carry on independent research work or to study methods of forest experimentation. The Forest Experiment Station affords excellent facilities for such students.

IV. Owners of woodland. Farmers, lumbermen, and others who wish to obtain a knowledge of the principles of Forestry and a practical acquaintance with the care of woodlands and with tree planting, receive instruction to meet their special requirements.

V. Forest Rangers. The course is particularly adapted to persons who wish to fit themselves for work as forest rangers.

VI. Teachers. Instruction in Forestry is now given in a considerable number of Agricultural Colleges, Industrial Schools, and other institutions, both in connection with the study of Horticulture and as separate courses, and it would doubtless form part of the instruction in Botany and Nature Study in public and private schools, if the teachers were properly qualified. The attention of teachers is especially called to the course offered at the Yale Summer School of Forestry.

VII. All persons who desire to acquire a general knowledge of Forestry, or any of its branches.

Nine courses in Forestry are offered. Students may take any or all of the courses. Those who wish to carry on special research work receive personal direction in their studies.

Practical work in the woods forms an important part of the instruction. In connection with the course in Forest Botany frequent excursions are made to train the students in identifying native and exotic trees and shrubs. A large part of the work in Silviculture is devoted to practice in selecting trees for thinnings, in making reproduction and improvement cuttings and in the study of forest planting. During the course in forest mensuration the students are given practice in studying the growth of trees and whole stands, making estimates of standing timber, etc. In the course in Forest Protection the damage done by fire and other enemies of the forest is illustrated by excursions.

DESCRIPTION OF THE COURSES

I *Forest Botany.*

MR. ARTHUR H. GRAVES:—

Particular attention is given to Forest Botany. This course embraces laboratory work, field work and lectures. An important feature of the course is the field work, designed to familiarize the students with the trees near the School, and their habits of growth. The effect of plant parasites upon tree growth and the part taken by herbage and shrubs in the forest are also studied in the field.

The laboratory work includes the study of the forest plants of the vicinity.

The lectures cover a systematic account of the trees of the United States, with particular reference to those of importance in Forestry.

2 *Silviculture.*

Professor JAMES W. TOUMEY :—

The object of this course is to give, as thoroughly as the length of the session will permit, a training in the principles and the practical methods of establishing and treating woodlands. It considers the characteristics of trees and forests in general, and includes in particular a discussion of the forests of the United States and of the life and habits of the trees important in Forestry. By lectures and field practice the students are trained in the methods of making thinnings for the improvement of the character and composition of the forest, and for the reproduction of the desirable species. Methods of establishing woods by seed and transplanting, form an important part of the course.

3 *Forest Mensuration.*

Mr. EDWARD E. CARTER :—

This course takes up in a practical way the methods used in determining the contents of felled and standing trees and of whole forests, the methods of making rough and accurate estimates of standing timber, the use of American log scales, and the methods of determining the age and growth of individual trees and of whole stands.

4 *Introduction to Forestry.*

Professor JAMES W. TOUMEY :—

The purpose of this course is to explain what Forestry is, and its true scope and function in the United States. The course is presented entirely by lectures, which discuss the forest, the relation of Forestry to kindred subjects, the auxiliary sciences in their relation to Forestry, and the different branches of technical Forestry in their relation to each other.

Special attention is given to the importance of Forestry in its relation to the public welfare, the forest products of the United States, the consumption and supply of wood and timber, and the effect of forest growth on soil, on climate, and on streams. The course closes with a discussion of National and State forest

reservations, the Government in its relation to Forestry, the practice of Forestry in the United States, and Forestry as a profession.

5 *Forest Protection.*

Mr. ARTHUR H. GRAVES:—

This course considers forest fires, trespass, damage to forests from wind, insects, grazing, torrents, and drifting sand, and the best means of protection. It is especially recommended to forest rangers.

6 *Research Work in Forestry.*

Professor HENRY S. GRAVES:—

This course is designed for advanced students who desire to study the work carried on at the Forest Experiment Station or to study the work done in the European Stations. Students wishing to conduct independent investigations are given individual instruction to meet their requirements.

7 *The Forest Policy of the United States.*

Professor GIFFORD PINCHOT:—

This is a short course of lectures dealing with the origin of forest policy; the objects and principles; legislation and its causes from 1891-1904; national organization in forestry; the forest and other land laws in relation to economic and industrial development; state forest problems.

8 *Forest Influence.*

Professor WILLIAM H. BREWER:—

Forests as related to temperature and its range; to rainfall and its range; to excesses of weather and climate; to the mechanical and chemical nature of soil and ground water; to the geological character of the surface. The aspects of forests as related to climate and topography; the geological history of forests, and forests in relation to recreation and the public health.

9 *Forest Regions of the United States.*

This course consists of a series of weekly lectures, illustrated with the stereopticon, upon the characteristic forest regions of the United States. The course is given by the different members of the teaching staff in Forest Hall in the village of Milford and is open to the public.

DEPARTMENT OF THEOLOGY

(YALE DIVINITY SCHOOL)

FACULTY AND INSTRUCTORS

ARTHUR TWINING HADLEY, LL.D., PRESIDENT.

REV. FRANK KNIGHT SANDERS, PH.D., D.D., *Dean of the Faculty
and Professor of Biblical History and Archaeology*

REV. GEORGE EDWARD DAY, D.D., *Holmes Professor of the Hebrew
Language and Literature, Emeritus*

REV. GEORGE PARK FISHER, D.D., LL.D., *Titus Street Professor of
Ecclesiastical History, Emeritus*

REV. LEWIS ORSMOND BRASTOW, D.D., *Professor of Practical Theology*

REV. EDWARD LEWIS CURTIS, PH.D., D.D., *Holmes Professor of the
Hebrew Language and Literature*

REV. GEORGE BARKER STEVENS, PH.D., D.D., LL.D., *Dwight Pro-
fessor of Systematic Theology*

REV. FRANK CHAMBERLIN PORTER, PH.D., D.D., *Winkley Professor
of Biblical Theology*

REV. BENJAMIN WISNER BACON, LITT.D., D.D., LL.D., *Buckingham
Professor of New Testament Criticism and Interpretation*

WILLISTON WALKER PH.D., D.D., *Titus Street Professor of Ecclesi-
astical History*

CHARLES CUTLER TORREY, PH.D., D.D. (*Professor of the Semitic
Languages in Yale University*), *Instructor in Semitic Languages*

CHARLES FOSTER KENT, PH.D. (*Woolsey Professor of Biblical Liter-
ature in Yale University*), *Instructor in Biblical Literature*

WILLIAM BACON BAILEY, PH.D. (*Assistant Professor of Statistics in
Yale University*), *Instructor in Sociology*

EDWARD MORGAN LEWIS, B.D., M.A., *Instructor in Elocution*

REV. FREDERICK LENT, M.A., *Instructor in Hebrew and Biblical Liter-
ature*

GEORGE DEWITT CASTOR, M.A., B.D., *Instructor in Missions*

SPECIAL LECTURERS

PROF. FRANCIS GREENWOOD PEABODY, D.D., of Harvard University.
Lyman Beecher Lecturer. Subject: *The Christian Character and the Modern World.*

PROF. WILLIAM NEWTON CLARKE, D.D., of Colgate University.
Nathaniel William Taylor Lecturer. Subject: *The Use of the Scriptures in Theology.*

REV. HENRY ALBERT STIMSON, D.D., of New York City. Subject:
The Church in Modern Life.

REV. SHEPHERD KNAPP, B.D., of New York City. *Alumni Lecturer,*
Subject: *The Contribution of Shakespeare to Religious Thought.*

OTHER OFFICERS

GEORGE DEWITT CASTOR, B.D., *Director of Religious Work*

ALICE MAUD MERRIMAN, *Private Secretary to the Dean*

ERNEST FRANKLIN HILL, *Superintendent of the Divinity Buildings*

RELATION OF THE DIVINITY SCHOOL TO THE UNIVERSITY

The YALE DIVINITY SCHOOL is one of the coördinate Departments of Yale University. The general advantages of the University are enjoyed by all its members in common. The graduates of the Divinity School, in common with the graduates of the other Departments, are enrolled in the Triennial Catalogue, and take part in the election of the alumni members of the Corporation. They are also themselves eligible to membership in the Corporation.

CONDITIONS OF ADMISSION

The Divinity School is open, on equal terms, to students of every Christian denomination. The conditions of admission are membership in some evangelical Church, or other satisfactory evidence of Christian character, and a liberal education at some College or University, or, in exceptional cases, an equivalent preparation for theological studies. Some knowledge of the Hebrew language on the part of those entering the Junior class is desirable.

By an arrangement recently made with the Academical Department of Yale University, it is now possible for Seniors to elect as part of their work for the B.A. degree the courses in Hebrew, the Greek Testament, and Philosophy of Religion of the Junior year in the Divinity School, thereby preparing themselves to enter the Middle class on graduation and thus to complete their Theological course in two years. Such students, however, are expected to maintain a high grade of scholarship.

The following rules determine the admission of students to candidacy for the degree of Bachelor of Divinity :

1. Bachelors of Arts whose course of study has included Greek are admitted without examination as candidates for the degree of B.D.

2. Bachelors of Arts whose course of study has not included Greek, and graduates holding other literary degrees—such as B.S., B.L., and Ph.B.—are required to pass the examination in Greek, referred to below (paragraph 2), before being admitted as candidates for the degree of B.D.

3. Applicants for admission who hold no collegiate degree are required to show by certificates and by examination* that they have received the substantial equivalent of a college training. Full statements from their instructors, showing the subjects and the range of their previous studies, will be taken into account by the Faculty in determining their fitness for admission. They may be admitted to membership in the institution without becoming at the outset candidates for the degree of B.D.

4. Such non-graduates as show superior scholarship in the actual work of the course may, at any time, by vote of the Faculty, become candidates for the degree of B.D.

* Such applicants will be examined in the following subjects :—

(1) *Latin Grammar*. Sight reading of easy prose, and the text of at least three standard authors. Three years' study of Latin would ordinarily be necessary to the passing of this examination.

(2) *Greek*. The same general requirements as are made in Latin. Sight reading of the New Testament.

(3) *English Literature*. The examination will require a good degree of familiarity with the chief English and American writers in prose and poetry. The more exact range of the examination, in any particular case, may be agreed upon between the applicant and the Faculty.

(4) *History*. A careful study of one or more historical periods.

(5) *Philosophy*. A fair knowledge of logic, psychology, ethics and the history of philosophy.

(6) German, French, Political or Social Science may be offered in addition, or, in special cases, in lieu of one or more of the above subjects, except Greek and Philosophy.

5. Students from other Seminaries will be received to advanced standing upon the same terms as applicants for admission at the beginning of the course, but none will be received as candidates for the degree of B.D. after the opening of the first term of the Senior year.

GRADUATE STUDY

Those who have completed a course of three years in this or some other Theological School can be admitted to Graduate standing in the Divinity School,—a recognition which carries with it registration as a member of the Graduate Department of the University, and, in case of those who hold a bachelor's degree equivalent to that of Yale University, the privilege of working for the M.A. or Ph.D. degrees. This opportunity is designed to meet the needs of three classes of theological graduates: those who desire to pursue an advanced course of general theological study; those who desire to pursue, for a year or two, special subjects of reading or investigation in any of the departments of theology under the advice and direction of Professors, and with the help furnished by the Reference and University libraries; and those who are desirous of winning an advanced degree. Candidates for membership in this class are admitted by vote of the Faculty.

From the connection of the Divinity School with the other Departments of the University, special advantages for the prosecution of linguistic and other studies are open to students preparing for service as foreign missionaries.

Members of the Graduate class are required, in all ordinary cases, to take at least three of the Divinity courses specially designed for this class (see below under Courses of Study), and are expected to continue their studies at the Divinity School during the entire year. Their fees and privileges in respect to rooms, on vote of the Faculty, are the same as those of the undergraduates (see pp. 431-432). A limited number of scholarships are open to members of this class (see p. 437).

Members of this class who have a degree of B.A. equivalent to that of Yale University, may be enrolled in the Graduate Department of the University and become candidates for the degree of M.A. (requiring one year of residence), or that of Ph.D. (requiring at least two years of residence). The proposed course of study must have the approval of a committee of the Academical Faculty in case of M.A., and of the Graduate Faculty in case of Ph.D.

STUDENTS PURSUING SELECTED STUDIES

The privileges of attendance at the lectures and use of the libraries of the Divinity School and University are granted, on application to the Faculty, to young men who desire to pursue studies throughout the year. A fee of ten dollars for Library and incidental expenses will be charged in such cases. Rooms will be furnished to students thus enrolled and pursuing at least three of the Divinity courses at one-half the price charged occupants who are not members of the Divinity School.

TERMS OF STUDY

Each year is divided into two terms of study by the Christmas vacation. The second term extends to the first Wednesday in June, with a short recess at Easter. Examinations precede each recess. It is expected that every student will be present at the beginning of each session. Catalogues and forms of application for admission may be obtained by addressing the Dean, Professor Frank K. Sanders, Drawer 4, Yale Station, New Haven, Conn.

COURSES OF STUDY

A fixed number of hours is required in each year of the course. These are divided into prescribed and elective courses. The required number of hours of elective work may be made up from the electives offered by the Professors in the Divinity School, or from University courses. Students who maintain a good standing in required work are allowed to take from one to four hours of electives in addition to the prescribed number.

LICENSE TO PREACH

Licenses to preach are granted by local and other associations to students sustaining a satisfactory examination.

The regular time for applying for licensure is near the close of the Middle year, before which time the members of the Divinity School are not expected to accept regular appointments to preach, without special permission of the Faculty.

DEGREES

The degree of Bachelor of Divinity is conferred by the President and Fellows of the University on all members of the School who, having been admitted by the Faculty as candidates for this degree (see pp. 398-399), satisfactorily complete the prescribed course of study and present an approved thesis on some topic of theology. A fee of five dollars is charged for a diploma.

Students who have completed two years of study in this School and who at the close of the Middle year desire to forego candidacy for the degree of B.D. and enter the Graduate School as candidates for the degree of Ph.D. in the Department of Biblical Literature and Semitic Languages, will be enrolled as members of the Senior class and allowed its privileges, provided they pursue the prescribed studies of that year.

GENERAL CATALOGUE

A supplement to the Seventh General Catalogue (1888) was issued by the Divinity School in 1900, bringing down the list of students in the institution from its beginning as a distinct department in 1822. Copies of the Supplement may be had (at the price of one dollar) by addressing the Dean. On all points relating to the alumni, reference should be made to the Secretary of the Alumni Association of the Yale Divinity School, Rev. W. J. Mutch, 596 Howard Ave., New Haven, Conn.

ALUMNI ASSOCIATIONS

Branch alumni associations have been formed in the following states:—Massachusetts (Boston and Springfield), New York, Connecticut, Iowa, Wisconsin and Nebraska.

GENERAL DESCRIPTION OF THE COURSES OF STUDY BY DEPARTMENTS

DEPARTMENT OF OLD TESTAMENT LITERATURE AND HISTORY

PROFESSORS CURTIS AND SANDERS

The prescribed work in this department for the degree of B.D. consists of one hundred and fifty-two hours on the Hebrew language and the Hebrew text; but by use of electives one can read critically nearly the entire Old Testament in the Hebrew, and also obtain an elementary knowledge of one or more of the cognate languages during his theological course. Students, however, who prefer a knowledge of the English text have an equal opportunity, by means of electives, to familiarize themselves with every part and feature of the English Old Testament. In Biblical Introduction only thirty-two hours of instruction are prescribed, but the courses offered, especially in the Department of Biblical and Semitic Literature (see pp. 306-312) provide a wide range of additional instruction in this branch of study.

I. PRESCRIBED COURSES

PROFESSOR CURTIS

JUNIOR YEAR

1 *Elementary Hebrew and Exegesis.*

4 hrs. throughout the year.

The elements of Hebrew are taught with the use of Harper's *Hebrew Method and Manual* and *Elements of Hebrew* as textbooks. In addition to this preliminary work covering the first

eight chapters of Genesis, the remainder of Genesis is read, and Hebrew Syntax is taught with the use of Gesenius' *Hebrew Grammar*; attention is also paid to exegesis, introducing the student to this science.

2 *Old Testament Introduction.*

1 hr. throughout the year.

[See Course III, 27, page 309.]

MIDDLE YEAR

3 *Hebrew Language and Exegesis.*

2 hrs. 1st term.

[See Course III, 4, page 306.]

II. ELECTIVE COURSES

PROFESSOR CURTIS

OPEN TO ALL CLASSES

4 *Problems of Hexateuchal Criticism.*

1 hr. 2d term.

[See Course III, 28, page 309.]

5 *The Wisdom Literature (Hebrew).*

1 hr. throughout the year.

[See Course III, 3, page 306.]

[Omitted in 1904-1905.]

6 *The Book of Isaiah (Hebrew).*

2 hrs. 2d term.

[See Course III, 5, page 306.]

7 *The Prophetical Books (English).*

2 hrs. 2d term.

[See Course III, 26, page 309.]

PROFESSOR SANDERS

OPEN TO ALL CLASSES

8 *Jewish and Christian Laws and Institutions.*

2 hrs. 2d half-year.

[See Course III, 44, page 311.]

[Omitted in 1904-1905.]

9 *Hebrew Wisdom Literature.*

2 hrs. 2d half-year.

[See Course V, B 3, page 100.]

- 10 *The English Bible.* 2 hrs. 2d half-year.
[See Course III, 46, page 311.]
[Omitted in 1904-1905.]

- 11 *The Gospels.* 1 hr. throughout the year.
[See Course III, 47, page 311.]

III. GRADUATE COURSES

PROFESSOR CURTIS

- 12 *Old Testament History and Archaeology.*
1 hr. throughout the year.
[See Course III, 24, page 309.]

For additional electives in this department see pp. 414-416.

DEPARTMENT OF NEW TESTAMENT LITERATURE AND HISTORY

PROFESSOR BACON

In this department it is assumed that the student has already mastered the elements of the Greek language and aims at expert interpretation of the Greek New Testament. The first year, accordingly, is devoted to a practical application of the principles of grammatico-historical Exegesis, first to the Pauline Epistles, afterwards to the Synoptic Gospels, with lectures on the methods and apparatus of the science. The second year is devoted to Introduction, or the study of the origins of the New Testament books.

By the use of the electives in the Undergraduate and Graduate Departments of the University, a thorough training may be obtained in the peculiarities of Hellenistic Greek, and on the grammatical and philological side of the subject generally. The prescribed work of the regular Divinity Course, accordingly, is mainly directed toward Criticism and Exegesis, the Divinity electives supple-

menting the regular course by a more extensive study of the New Testament writings, a wider outlook into their relations to contemporary Hellenistic thought and literature, and a deeper study of their origins.

I. PRESCRIBED COURSES

JUNIOR YEAR

- 13 *The Pauline Epistles.* 3 hrs. 1st term.
[See Course V, B 9, page 101.]
- 14 *The Synoptic Gospels.* 3 hrs. 2d term.
[See Course V, B 10, page 102.]
- 15 *New Testament Encyclopaedia.* 1 hr. 2d term.
[See Course V, B 12, page 102.]

MIDDLE YEAR

- 16 *Special Introduction to the Books of the New Testament.* 2 hrs. 1st term.
[See Course III, 40, page 310.]

II. ELECTIVE COURSES

OPEN TO ALL CLASSES

- 17 *The Christological Epistles.* 1 hr. 1st term.
[See Course V, B 11, page 102.]
- 18 *The Teaching of Jesus.* 1 hr. 2d term.
[See Course III, 37, page 310.]
- 19 *Hebrews and Catholic Epistles.* 2 hrs. throughout the year.
[See Course III, 41, page 311.]
- 20 *Origin of the Johannine Writings.* 2 hrs. throughout the year.
[See Course III, 42, page 311.]

OPEN TO THE MIDDLE, SENIOR AND GRADUATE CLASSES

21 *Historico-critical Analysis of the Book of Acts.*

2 hrs. 2d term.

[See Course III, 39, page 310.]

III. GRADUATE COURSE

22 *Problems of Textual Criticism.*

1 hr. 2d term.

[See Course III, 43, page 311.]

DEPARTMENT OF BIBLICAL THEOLOGY

PROFESSOR PORTER

In this department the religious thought and life of the Old and New Testaments are studied from the point of view and with the methods of the science of religious history. The effort is not to construct a Biblical Dogmatics, nor merely to set forth in an orderly way the thought-contents of the several books, but, on the one hand, to understand the religious history out of which the books came, and gain a right appreciation of its persons and events, its shaping forces and the continuity and progress of its movements; and, on the other hand, to study some of the ruling religious ideas of the Bible in their historical origin and the various stages of their development.

I. PRESCRIBED COURSES

MIDDLE YEAR

23 *The Theology of Judaism.*

2 hrs. 2d term.

[See Course III, 30, page 309.]

SENIOR YEAR

24 *Biblical Theology of the New Testament.*

3 hrs. throughout the year.

[See Course III, 31, page 310.]

II. ELECTIVE COURSES

OPEN TO THE MIDDLE AND SENIOR CLASSES

- 25 *Theology of the Pre-exilic Prophets.* 2 hrs. 1st term.
[See Course III, 29, page 309.]

- 26 *The Apocalyptic Literature.* 1 hr. throughout the year.
[See Course III, 32, page 310.]

III. GRADUATE COURSE

- 27 *Doctrine of Sacred Scripture.* 1 hr. throughout the year.
[See Course III, 33, page 310.]

DEPARTMENT OF CHURCH HISTORY

PROFESSOR WALKER

The aim in this department is to guide the student to a conception of Christian history as the development of the Kingdom of God on earth. While no line is drawn between the sacred and the secular in history, and all historic progress is regarded as essentially one divinely guided process, the primary themes in this department are necessarily the origin, growth, principles, divisions and leaders of the Christian Church. The development and history of Christian Doctrine is carefully considered in chronological connection with the narrative of the progress of the Church. An effort is made to acquaint the student with proper methods of historical investigation and criticism and to give him some facility in their use.

I. PRESCRIBED COURSES

MIDDLE YEAR

- 28 *Church History from the Apostolic Age to the Close of the Papal Schism.* 3 hrs. throughout the year.
[See Course II, 44, page 299.]

SENIOR YEAR

- 29 *Church History from the Beginnings of the Reformation to the present Age.* 2 hrs. throughout the year.

[See Course II, 50, page 300.]

II. ELECTIVE COURSES

OPEN TO THE MIDDLE AND SENIOR CLASSES

- 30 *The History of Congregationalism.* 1 hr. 1st term.

A rapid survey designed to familiarize the student with the origins and leading events of Congregational history.

OPEN TO THE SENIOR CLASS ONLY

- 31 *Four Eminent Theologians: Augustine, Aquinas, Calvin, Edwards.* 1 hr. 2d term.

[See Course II, 51, page 301.]

III. GRADUATE COURSE

(OPEN TO SENIORS ALSO)

- 32 *Christian Literature from Clement of Rome to Eusebius.* 1 hr. throughout the year.

[See Course II, 45, page 299.]

DEPARTMENT OF SYSTEMATIC THEOLOGY

PROFESSOR STEVENS

The aim in this department is to set forth the grounds and content of the Christian faith in a method at once historical, critical, and constructive. With this end in view, the first year is devoted to the study of the rational grounds of Theism and the historical basis and beginnings of Christianity. During the second year, a systematic investigation of Christian theology is undertaken. Each doctrine is studied in its biblical elements, its chief historical forms, and its aspects and bearings for the thought of to-day. Supplementary courses afford occasion for collateral reading and opportunity for questions and informal discussions.

I. PRESCRIBED COURSES

JUNIOR YEAR

- 33 *The Philosophy of Theism.* 1 hr. 1st term.

A discussion of the principal forms of the theistic argument with special reference to the philosophical principles involved.

- 34 *Apologetics.* 1 hr. 2d term.

A study of the principal questions of theory and of fact which are involved in the defense of Christianity against current objections.

MIDDLE YEAR

- 35 *The Science of the Christian Faith.*
3 hrs. throughout the year.

This course includes the investigation of the principal Christian doctrines. Special attention is paid to current discussion and controversies in theology and to the most recent literature of the subject.

II. ELECTIVE COURSES

OPEN TO ALL CLASSES

- 36 *The Theology of Horace Bushnell.*
1 hr. throughout the year.

This course will consist, in part, of lectures on Bushnell's career, controversies, and writings (first term), and, in part, of a study of his more important works (second term).

OPEN TO THE MIDDLE AND SENIOR CLASSES

- 37 *Theological Seminar.* 1 hr. throughout the year.

This course will comprise a study of the doctrine of atonement in its theoretical and practical aspects.

III. GRADUATE COURSE

- 38 *The Christian Doctrine of Salvation.*
1 hr. throughout the year.

In this course a systematic and comprehensive study of the Christian experience of salvation, based on the studies of the earlier years, will be undertaken.

DEPARTMENT OF PRACTICAL THEOLOGY

PROFESSOR BRASTOW

It is the object of the following courses to combine in due measure the theoretical and the practical. Lectures are used rather than text-books, because there are no text-books that cover the whole field of discussion, and are preferred as a more inspiring method of transmitting knowledge. They are used only as a guide to personal investigation and as an incentive to personal initiative. It is desired that every student have adequate opportunity for personal research and for personal training within the sphere of adequate knowledge. To this end each one will have assigned to him the task of personal investigation, personal production, and the expression of personal judgment with respect to the topics discussed.

The aim of this department is to educate and train ministers who will be measurably competent at once to undertake and carry on all branches of church work. The work of the department in lectures and in research is supplemented on its practical side by the training for which provision is made in the General Scholarship system (see pp. 433-435). A study of human life in its various forms of experience is necessary for the interpretation of the work of the class-room, and it furnishes concrete materials of knowledge that the class-room can not provide.

I. PRESCRIBED COURSES

JUNIOR YEAR

- 39 *Introduction to Practical Theology. The Christian Pastor.* 1 hr. throughout the year.

The scope and method of practical theology and its relation to other branches of theology. The ministry as a calling; unification of functions; official and personal factors; origin and development of ministerial offices; ministerial culture.

MIDDLE YEAR

40 *Material and Structural Homiletics.*

2 hrs. throughout the year.

The text as related to subject matter ; choice of subjects for preaching ; the use of the Old and New Testaments in preaching. The organism of the sermon, analysis of its different elements.

SENIOR YEAR

41 *Types of Preaching, Pastoral Catechetics, Liturgics, Church Government.* 3 hrs. throughout the year.

Discussion of expository, doctrinal, ethical, evangelistic, manuscript, extemporaneous, and memoriter preaching. History of Catechetics; catechetical material and method. Worship, sacraments, confirmation, burial of the dead, church confession and covenant, methods of church government.

II. ELECTIVE COURSES

OPEN TO THE MIDDLE CLASS

42 *Study of Pastoral and Parochial Problems.*

1 hr. throughout the year.

Types of church polity,—agencies of organized church life.

OPEN TO THE SENIOR CLASS

43 *Critical Study of Individual Modern Preachers.*

1 hr. throughout the year.

Analysis of the sermons of German, English, Scottish, and American preachers.

III. CHRISTIAN PEDAGOGY AND CHURCH ADMINISTRATION

For general work in Pedagogy, the courses offered in the Graduate School, described on page 290, are of great value. They relate chiefly to the theory and practice of teaching.

Rev. Dr. Henry A. Stimson, of New York City, will give a series of lectures on "The Church in Modern Life,"

touching on the problems of organization and of the adjustment of church administration to the needs of to-day.

Dean Sanders will give a short series of lectures on "The Pastor as a Religious Educator," discussing the vital questions of the agencies through which he may work, the standards of achievement and the desirable working methods.

DEPARTMENT OF CHRISTIAN SOCIOLOGY

DR. BAILEY

It is intended that the courses offered in this department shall be taken in their proper order by the members of the various classes, as it is taken for granted that the members of the upper classes are familiar with the principles laid down during the first one or two years. This is particularly the case with the courses in Sociology. Students entering in Middle or Senior classes will be allowed to attend the lectures of the course preparatory to that of their own class without taking the examinations, if they prefer. The visit to the New York institutions is taken by the members of the Senior class who elect the course in Practical Sociology.

I. ELECTIVE COURSES

JUNIOR CLASS

- 44 *Economics.* 1 hr. throughout the year.

This course is intended to meet the needs of those who, in their preparation, have been unable to give sufficient attention to political economy, that they may be enabled to deal in a scientific manner with some of the principal economic questions.

MIDDLE CLASS

- 45 *Systematic Sociology.* 2 hrs. throughout the year.

The lectures will treat of property, the organization of society, formation of social classes, condition of women, conflict of the individual with society, socialism, anarchism, and allied topics.

SENIOR CLASS

- 46 *Practical Sociology.* 2 hrs. throughout the year.

The problems connected with the negro, the concentration of population in cities with the attendant dangers, crime, immigration, charity organizations, the liquor question and other important American questions will be studied.

For the University elective courses in Economics and Sociology, see pp. 292-304.

II. PRACTICAL WORK

The system of practical work in connection with the General Scholarships (see p. 432) affords excellent opportunities for actual experience in dealing with social problems.

This practical experience is supplemented by an annual visit of two or three days to the charitable and correctional institutions of New York City under Dr. Bailey's direction.

UNIVERSITY BIBLICAL AND SEMITIC COURSES (*Elective*)

Professors TORREY and KENT, and Mr. LENT.

HEBREW

PROFESSOR KENT

- 47 *Hebrew Seminary.* 2 hrs.
[See Course III, 6, page 306.]

MR. LENT

- 48 *Elementary Hebrew.* 2 hrs.
[See Course V, B 6, page 101.]
- 49 *Advanced Hebrew.* 2 hrs.
[See Course V, B 7, page 101.]

COGNATE SEMITIC LANGUAGES

PROFESSOR TORREY

- 50 *Elementary Arabic.* 2 hrs.
[See Course III, 9, page 307.]

- 51 *The Koran.* 2 hrs.
 [See Course III, 10, page 307.]
 [Omitted in 1904-1905.]
- 52 *The Arabic Historians.* 2 hrs. 1st half-year.
 [See Course III, 11, page 307.]
- 53 *Arabic Poetry.* 2 hrs. 2d half-year.
 [See Course III, 12, page 307.]
- 54 *Elementary Syriac.* 2 hrs.
 [See Course III, 13, page 307.]
 [Omitted in 1904-1905.]
- 55 *The Old Syriac Gospels.* 2 hrs. 1st half-year.
 [See Course III, 14, page 307.]
- 56 *Biblical and Palestinian Aramaic.* 2 hrs. 2d term.
 [See Course III 15, page 307.]
- 57 *Elementary Assyrian.* 2 hrs.
 [See Course III, 16, page 307.]
- 58 *Babylonian and Assyrian Historical Texts.* 2 hrs.
 [See Course III, 17, page 308.]
 [Omitted in 1904-1905.]
- 59 *North Semitic Inscriptions.* 2 hrs. 1st half-year.
 [See Course III, 18, page 308.]
 [Omitted in 1904-1905.]
- 60 *Elementary Ethiopic.* 2 hrs. 2d term.
 [See Course III, 19, page 308.]
 [Omitted in 1904-1905.]

61

Advanced courses in Classical and Palestinian Syriac, Old Babylonian, Ethiopic, and Sabaeen and Minaean Inscriptions, and elementary courses in Persian and Coptic, will be given according to the needs of students. Instruction in modern colloquial Arabic (Syrian dialect) will be offered to those who intend to spend a year or more in the American School in Palestine.

SEMITIC PHILOLOGY AND ARCHAEOLOGY

PROFESSOR TORREY

- 62 *General Introduction to Semitic Philology.* 2 hrs. 1st term.

A general view of the Semitic languages and peoples, including a brief survey of their literatures. No previous knowledge of the Semitic languages is required for this course, though some acquaintance with at least the Hebrew language is desirable.

- 63 *Studies in Semitic Art and Archaeology.* 1 hr. 2d term.

[See Course III, 21, page 308.]

- 64 *Comparative Semitic Grammar.* 1 hr.

[See Course III, 22, page 308.]

PROFESSOR KENT

- 65 *The Discovery and Decipherment of the Ancient Semitic Inscriptions.* 1 hr. 1st term.

[See Course III, 23, page 309.]

PROFESSOR KENT

- 66 *Biblical Literature and History.* 3 hrs.

[See Course V, A 1, page 99.]

- 67 *Israelitish Laws and Institutions.* 2 hrs. 1st half-year.

[See Course III, 49, page 312.]

[Omitted in 1904-1905.]

- 68 *Hebrew Poetic Literature.* 2 hrs. 1st half-year.

[See Course III, 50, page 312.]

- 69 *Biblical Seminary.* 2 hrs.

[See Course III, 51, page 312.]

- 70 *Historical Origin of Christianity.* 1 hr.

[See Course V, B 1, page 100.]

ELOCUTION

MR. LEWIS

The aim of these courses is to fit men to read and speak effectively. They form a progressive series and consist of two distinct lines of work : the practice of technical exercises for the development of voice and body ; the practice of the specific problems presented by the art of reading and speaking. Class-room work will be supplemented by individual work throughout.

For a statement regarding the Downes prizes, founded to stimulate an interest in the work of this Department, see page 436.

JUNIOR YEAR

71 *Voice Training and Vocal Expression.*

1 hr. throughout the year.

Practice of exercises for development of expressive qualities of voice, also practice of problems in vocal expression.

MIDDLE YEAR

72 *Advanced Vocal Expression and Voice Training.*

1 hr. throughout the year.

Practice in Bible and Hymn reading, and practice of advanced vocal exercises.

SENIOR YEAR

73 *Advanced Reading and Speaking.*

1 hr. throughout the year.

Individual work in voice, reading, and speaking.

THE STUDY OF MISSIONS

PROFESSOR WALKER AND MR. CASTOR

It is the purpose of the Divinity School to offer each year a carefully arranged elective course, providing for lectures, the investigation of special problems, and directed reading, which will serve to deepen and define the interest of the students in the history, working conditions, and pressing claims of the enterprise of Foreign and Home Missions.

The Library of Foreign Missions, containing about 7,000 titles, as well as a complete set of the current periodicals and reports, affords an opportunity, unequalled in this country, for original research and for unrestricted reading.

Students who are looking forward to missionary service will find of great advantage the work offered by Professor F. Wells Williams on Asiatic History (pp. 299, 300 and 304). Those intending to work in India have an opportunity for the mastery of Sanskrit in the course offered by Professor Hopkins.

I. ELECTIVE COURSES

OPEN TO ALL CLASSES

PROFESSOR WALKER

- 74 *History of Missions.* 1 hr. 1st term.

The aim of this course is to give a compact outline of the general history of Christian Missions from the days of the Apostles to the establishment of the modern missionary societies of Great Britain and the United States.

Mr. CASTOR

- 75 *Study of Mission Fields.* 1 hr. throughout the year.

(1) First Term : India.

(2) Second Term : Turkey, Persia, Arabia, until Easter vacation. After vacation : Hawaii and South Sea Islands.

- 76 *An Alternate to the foregoing elective*

[to be given 1905-1906].

(1) First Term : China.

(2) Second Term : Africa, until the Easter vacation. After the vacation : Japan.

II. LECTURE COURSES

The regular work of this department is supplemented by courses of lectures given at intervals by those best fitted

to deal with the theory and practice of missions, and to give an insight into the methods of missionaries on the field. The lectures already arranged for 1904-1905 are :—

Rev. Edward S. Hume :

The Native Christian in India.

The Native Non-Christian in India.

The European Community in India.

Rev. D. Stuart Dodge, D.D.:

The Conquest of Mohammedanism through Christian Education.

Rev. William H. Sanders, of West Central Africa :

The Religious Element in the Native African.

Conditions and Effects of Mission Work in Angola.

Rev. Charles C. Creegan, of New York City :

Missionary Biography.

Mr. Harry Wade Hicks, of Boston, Mass.:

The Cultivation of the Missionary Spirit in the Church.

In addition to these stated lectures, occasional addresses and lectures may be expected from visiting missionaries and secretaries.

III. THE MISSIONARY RALLY

On February 8th, 1904, with the coöperation of secretaries and missionaries of the American Board, a conference on foreign missions was held at the Yale Divinity School, which was largely attended. The central theme of the conference was, "Are Christian Missions Justifying Themselves?"

MUSICAL TRAINING

The opportunities mentioned below are intended to supplement the work of the Department of Music in the University, in the line of elementary vocal culture. The courses of instruction in the Department of Music are open to Divinity students on conditions laid down by the Professors of Music. These courses, under Professors Parker, Sanford, and Jepson, include Harmony, Counterpoint, History of Music, Composition, and Instrumentation, affording the fullest opportunities for any one who seeks to perfect his training as a director of church music.

Professor Parker gave, during the fall term, before the Divinity School, two lectures on *The History of Church Music*, and *The Church Music of To-day*. Rev. Leonard Woolsey Bacon, D.D., will give two lectures later in the year on *The Church Service of Song*.

A class will be organized as usual in sight reading and singing. It is intended to enable those who know little or nothing about music to read and sing ordinary music at sight. For more advanced students, the Yale Divinity Glee Club affords a valuable opportunity, under competent instruction, for the study and rendering of sacred music of more than ordinary difficulty and importance. This club will prepare to render, from time to time during the year, musical programs illustrative of the work of some composer of sacred music, or of some representative type of music. It customarily renders the special music of Commencement.

For the unique library of church music belonging to the Divinity School, see page 426.

OUTLINE OF STUDY BY CLASSES

1904-1905

JUNIOR CLASS

PRESCRIBED STUDIES, 372 HOURS.

First Term.

1. Elementary Hebrew	4 hrs. a week ...	48 hrs.
2. Old Testament Introduction	1 hr. " ...	12 "
13. The Pauline Epistles	3 hrs. " ...	36 "
33. Philosophy of Theism	1 hr. " ...	12 "
39. Practical Theology	1 hr. " ...	12 "
71. Voice Training and Vocal Expression	1 hr. " ...	12 "
<hr/>		
Total	11 hrs. " ...	132 "
Elective Studies	3 hrs. " ...	36 "

Second Term.

1. Elementary Hebrew	4 hrs. a week ...	80 hrs.
2. Old Testament Introduction	1 hr. " ...	20 "
14. Synoptic Gospels	3 hrs. " ...	60 "
15. New Testam't Encyclopaedia	1 hr. " ...	20 "
34. Apologetics	1 hr. " ...	20 "
39. Practical Theology	1 hr. " ...	20 "
71. Voice Training and Vocal Expression	1 hr. " ...	20 "
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Total	12 hrs. " ...	240 "
Elective Studies	3 hrs. " ...	60 "

MIDDLE CLASS

PRESCRIBED STUDIES, 376 HOURS.

First Term.

3. Hebrew Exegesis	2 hrs. a week...	24 hrs.
16. New Testament Introduction	2 " " ...	24 "
28. Church History	3 " " ...	36 "
35. Science of Christian Faith.	3 " " ...	36 "
40. Structural Homiletics	2 " " ...	24 "
72. Advanced Vocal Expression and Voice Training	1 " " ...	12 "
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Total	13 " " ...	156 "
Elective Studies	2 " " ...	24 "

Second Term.

23. Theology of Judaism	2 hrs. a week..	40 hrs.
28. Church History.	3 " " ..	60 "
35. Science of Christian Faith..	3 " " ..	60 "
40. Structural Homiletics.....	2 " " ..	40 "
72. Advanced Vocal Expression and Voice Training.....	1 " " ..	20 "
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Total	11 " " ..	220 "
Elective Studies.....	4 " " ..	80 "

SENIOR CLASS

PRESCRIBED STUDIES, 288 HOURS.

First Term.

24. N. T. Biblical Theology	3 hrs. a week..	36 hrs.
29. Church History	2 " " ..	24
41. Practical Theology	3 " " ..	36
73. Advanced Reading and Speak- ing	1 " " ..	12
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Total	9 " " ..	108
Elective Studies	5 " " ..	60 "

Second Term.

24. N. T. Biblical Theology.....	3 hrs. a week..	60 hrs.
29. Church History.....	2 " "	40 "
41. Practical Theology	3 " "	60 "
73. Advanced Reading and Speak- ing.....	1 " "	20 "
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Total	9 " "	180 "
Elective Studies	5 " "	100 "

ALTERNATIVE COURSES

Students who bring certification of having satisfactorily completed any of the above prescribed courses at other institutions, may substitute elective courses subject to the approval of the Faculty. The amended schedule of courses proposed should be submitted to the Faculty through the Dean as soon as possible after the opening of the term.

DIVINITY SCHOOL ELECTIVES

I. OPEN TO ALL CLASSES

Both Terms.

5. Wisdom Literature (Hebrew)	1 hr. a week
11. Gospels	1 hr. "
19. Hebrews and Catholic Epistles.....	2 hrs. "
20. Origin of Johannine Writings	2 hrs. "
36. Theology of Horace Bushnell	1 hr. "
47. Hebrew Seminary.....	2 hrs. "
48. Elementary Hebrew.....	2 hrs. "
49. Advanced Hebrew	2 hrs. "
50. Elementary Arabic	2 hrs. "
57. Elementary Assyrian.....	2 hrs. "
64. Comparative Semitic Grammar.....	1 hr. "
66. Biblical Literature and History	3 hrs. "
69. Biblical Seminary	2 hrs. "
70. Historical Origin of Christianity	1 hr. "
75. Study of Mission Fields (either one or both terms).....	1 hr. "

First Term only.

17. Christological Epistles	1 hr. a week
52. Arabic Historians	2 hrs. "
55. Old Syriac Gospels.....	2 hrs. "
62. General Introduction to Semitic Philology	2 hrs. "
65. Discovery and Decipherment of Ancient Semitic Inscriptions	1 hr. "
68. Hebrew Poetic Literature	2 hrs. "
74. History of Missions	1 hr. "

Second Term only.

4. Hexateuchal Criticism	1 hr. a week
6. Isaiah (Hebrew).....	2 hrs. "
7. Prophetic Books (English).....	2 hrs. "
9. Hebrew Wisdom Literature.....	2 hrs. "
18. Teaching of Jesus.....	1 hr. "
53. Arabic Poetry	2 hrs. "
56. Biblical and Palestinian Aramaic	2 hrs. "
63. Semitic Art and Archaeology	1 hr. "

II. OPEN TO THE JUNIOR CLASS

Both Terms.

44. Economics	1 hr. a week
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III. OPEN TO THE MIDDLE CLASS

Both Terms.

42. Study of Important Pastoral and Parochial Problems.....	1 hr. a week
45. Systematic Sociology	2 hrs. "

IV. OPEN TO THE MIDDLE AND SENIOR CLASSES

Both Terms.

26. Apocalyptical Literature.....	1 hr. a week
37. Theological Seminar.....	1 hr. "

First Term only.

25. Theology of Pre-Exilic Prophets	2 hrs. a week
30. History of Congregationalism	1 hr. "

V. OPEN TO THE SENIOR CLASS

Both Terms.

43. Critical Study of Modern Preachers.....1 hr. a week
 46. Practical Sociology 2 hrs. “

Second Term only.

31. Four Eminent Theologians..... 1 hr. a week

VI. OPEN TO THE MIDDLE, SENIOR AND GRADUATE CLASSES

Second Term only.

21. Critical Analysis of Acts..... 2 hrs. a week

VII. OPEN TO THE SENIOR AND GRADUATE CLASSES.

32. Christian Literature from Clement to
 Eusebius..... 1 hr. a week

VIII. OPEN TO THE GRADUATE CLASS

In addition to the foregoing Divinity School electives, which are also open to the Graduate class, and besides the University electives, the following courses are offered by the Divinity School Faculty to the Graduate class as especially adapted to advanced work. It is expected that at least three courses selected from the following list will be taken by each member of the class. If desired, undergraduate Divinity courses can be substituted, subject to Faculty approval.

Both Terms.

12. O. T. History and Archaeology... .. 1 hr. a week
 27. Doctrine Sacred Scripture 1 hr. “
 32. Christian Literature from Clement to
 Eusebius..... 1 hr. “
 38. Christian Doctrine of Salvation..... 1 hr. “

Second Term only.

22. Problems of Textual Criticism..... 1 hr. a week

SUBSIDIARY MEANS OF INSTRUCTION

LIBRARIES

The REFERENCE LIBRARY OF THE DIVINITY SCHOOL, established by the late Henry Trowbridge, Esq., of New Haven, and placed in the Leonard Bacon Memorial Hall, is open for consultation throughout the day and evening. It contains about 4,000 carefully selected volumes, in every department of theological literature, and additions are constantly made. It is designed to take the place, for each student, of a large and well selected private library.

The valuable LIBRARY OF CHURCH MUSIC belonging to the late Dr. Lowell Mason was given to the Divinity School by his family. This library, which contains about 8,000 titles in 4,000 volumes, is placed in the Lowell Mason Room in West Divinity Hall.

The HISTORICAL LIBRARY OF FOREIGN MISSIONS, designed to furnish the latest and fullest missionary intelligence and also the means for the most thorough historical research, numbers over 7,000 volumes, including pamphlets. It is now an almost complete collection of the entire body of the Foreign Mission Literature of Europe and America, and with this comprehensive character has become one of the two largest special libraries of the kind in the world, the other being located in Denmark. Its five printed catalogues, issued at intervals from 1892 to 1899, have been placed by request in the libraries of the principal Universities, Colleges and Theological Schools in the United States and may there be consulted.

The REFERENCE LIBRARY OF BIBLICAL LITERATURE of the Department of Semitic Languages and Biblical Literature in the University is available to members of the Divinity School. The library room is conveniently situated in Fayerweather Hall, adjacent to West Divinity Hall.

The SALISBURY COLLECTION of Oriental manuscripts, books and works of reference, the library of the American Oriental Society, the collection of rare and valuable Arabic

manuscripts, made by Count Landberg, acquired recently for Yale University through the munificence of Morris K. Jesup, Esq., of New York City, and the well-stocked Semitic sections of the general Library furnish exceptional advantages and opportunities for independent research to the student of Semitic literature.

DIVINITY SCHOOL LECTURESHIPS

The LYMAN BEECHER LECTURESHIP on Preaching (or other topic appropriate to the work of the ministry) was founded in 1871 by a gift of \$10,000 from Mr. Henry W. Sage, then of Brooklyn, N. Y., as a memorial to the great divine whose name it bears. It is filled by some minister or layman of eminence appointed annually by the President and Fellows of the University. The lectureship is of unique importance in the field of practical theology, as evidenced by the series of lectures published in successive volumes. Among the incumbents of the lectureship may be mentioned Henry Ward Beecher, 1871, Phillips Brooks, 1876, Robert W. Dale, 1877, Washington Gladden, 1886 and 1902, James Stalker, 1890, A. M. Fairbairn, 1891, R. F. Horton, 1892, John Watson (Ian McLaren), 1896, George Adam Smith, 1898, George A. Gordon, 1902, Lyman Abbott, 1903, and Francis G. Peabody in 1904.

The NATHANIEL WILLIAM TAYLOR LECTURESHIP in Theology was created in 1902 by the gift of \$5,000 from Mrs. Rebecca Taylor Hatch, of Brooklyn, N. Y., in memory of her father, professor of divinity in this institution from 1822 to 1858. The income of the fund will be annually expended for a series of lectures on some theme in Doctrinal Theology. The first series was given in January, 1903, by Professor George William Knox, the second series was given in April, 1904, by President William Douglas Mackenzie. This year the lectures will be given by Professor William Newton Clarke.

The ALUMNI LECTURESHIP was created in 1902 by vote of the Faculty. It provides for a brief series of lectures

each year to be given by an alumnus in recognition of research carried by him to a successful issue. The series opened in February, 1903, with two lectures by Rev. John S. Zelig, '90. In 1904, Rev. Charles A. Dinsmore, '88, was the lecturer and Rev. Shepherd Knapp of '97, is to lecture this year.

AMERICAN LECTURES ON THE HISTORY OF RELIGIONS

Yale University is a member of the Association of various institutions for the establishment of popular courses, of six or eight lectures each, in the history of Religions, somewhat after the style of the Hibbert lectures in England, to be delivered annually in various cities by the best scholars of Europe and this country.

The last course of lectures on this foundation was given in the spring of 1904, by Professor George Steindorff, Ph.D., of the University of Leipzig, on the subject "The Religion of Egypt."

CLUBS

A number of voluntary associations of instructors and students exist in the University, whose meetings for the reading and discussion of papers are open to all students. Membership in these clubs is open to those who are qualified. Of special interest to divinity students are the SEMITIC AND BIBLICAL CLUB, the BIBLICAL RESEARCH CLUB and the PHILOSOPHICAL CLUB.

The SEMITIC AND BIBLICAL CLUB is composed of instructors and students in the Department of Semitic Languages and Biblical Literature in the University and in the Divinity School. It meets every two weeks for the reading and discussion of papers by professors and students.

The BIBLICAL RESEARCH CLUB is composed of undergraduates of the University and pursues a more popular type of work than the last mentioned club. Last year it investigated Apocryphal and Pseudepigraphic Literature. Divinity students are free to attend its sessions.

The PHILOSOPHICAL CLUB holds regular meetings fortnightly for the presentation and discussion of the results of original research in philosophy.

EXERCISES IN PUBLIC SPEAKING

A rhetorical exercise for all the classes is held every Wednesday, in Marquand Chapel, in the presence of the Faculty, and under their direction. Once in two weeks an address is delivered, followed by criticism and discussion. Each alternate week there is an exercise, designed for the cultivation of the power of the students in extemporaneous speaking, as well as for the discussion of subjects of practical importance.

These biweekly debates are held under the auspices of the LEONARD BACON DEBATING CLUB, which is designed to promote interest in important public questions and the effective discussion of them. All members of the Divinity School who are interested in public debate are eligible to membership. Occasional addresses are given before the club by prominent men on subjects germane to its purpose.

RELIGIOUS AND SOCIAL PRIVILEGES

PUBLIC WORSHIP

There is daily worship in MARQUAND CHAPEL at 12.30 o'clock.

A general prayer meeting of the Divinity School, led alternately by a member of the Divinity Faculty and by a student, is held on Thursday evenings in Marquand Chapel.

On the Lord's day students attend worship in the University Chapel, or in any of the city churches.

YOUNG MEN'S CHRISTIAN ASSOCIATION

The Young Men's Christian Association of the Divinity School has for its object to deepen the spiritual life of the students, to increase their interest in missions, and to bring them into fellowship with similar associations

throughout the world. Occasional addresses are given by persons especially engaged in, and familiar with, missionary work. Deputation work, in the interest of foreign missions, is carried on by students among churches in adjacent counties of Connecticut.

SOCIAL LIFE

The Lowell Mason Library Room, in West Divinity Hall, is furnished as a Social Room, and serves as a center for the common life of the students. It contains magazines and daily papers, a piano, and other means of recreation.

PHYSICAL EXERCISE

The University Gymnasium, which is complete in all its appointments, is open to the students of this Department at a small charge. The Yale Field is available for baseball and football. Students of the Divinity School are eligible for Yale Athletic teams after having completed one year of study in the University.

Within the Divinity School enclosure are tennis courts carefully graded and well maintained, with reasonable space for other out-of-door recreation.

INFIRMARY

The Yale Infirmary is open in case of sickness to students of all departments of the University, affording the best medical attendance and nursing at a minimum cost.

ROOMS AND EXPENSES

BUILDINGS

The buildings of the Divinity School are East and West Divinity Halls, which contain furnished rooms for students; Marquand Chapel, and the Leonard Bacon Memorial Hall, containing the Trowbridge Reference Library.

ASSIGNMENT OF ROOMS

The buildings will be accessible on Monday of the opening week of the Fall term and temporary accommodations will be provided for new students whose applications have been received. The assignment of permanent rooms to new students is made on Wednesday, the day before that on which the term opens, at 2 o'clock P. M., in the Lowell Mason Room. The suites, which include a separate bedroom, are designed, for the most part, for one occupant, but a considerable number afford accommodation for two. They are provided with all necessary furniture, except bed-clothes, which may be brought by the occupants, or will be furnished at a moderate charge. Questions regarding location of rooms, disposal of baggage, furniture, bedding, and the like, should be addressed to the Superintendent of the Divinity Buildings, Mr. Ernest F. Hill, East Divinity Hall.

EXPENSES

The fixed charges for each undergraduate student for the annual session of thirty-two weeks are \$5 for the University library fee, \$10 for the care of room, \$20 for heating of room (divided in case of two or more occupants) and \$5 for general administrative expenses. Each room is in addition charged for the gas consumed, as indicated by the room meter. No charge is made for tuition.

The new University Dining Hall furnishes board at cost (approximating \$4.00 per week). A bond of \$500 is required by the Treasurer of the University for each student admitted to the Hall, and the price of board is charged on the regular term-bill. Board may be obtained at private eating-clubs in the city at \$3.00 and \$3.50 per week.

The expenses of a student for the school year, exclusive of clothing and sundries, may be estimated as follows :

Care of room.....	\$10.00
Heating of room.....	10.00 or 20.00
Board, 32 weeks (not counting 4 vacation weeks)	96.00 to 128.00
Incidentals	5.00
Rent of bedding	1.50
Laundry.....	18.00
Text-books and stationery.....	20.00 to 50.00
Gymnasium, tennis-courts, etc.	5.00 to 10.00
Subscriptions.....	5.00
Total	\$168.00 to \$245.00

By rigid economy the cost of board and of items other than fixed charges may be somewhat reduced.

The charges for an undergraduate student who does not room in the Divinity buildings will be \$5.00 for the University library fee and \$5.00 for general administration expenses.

SCHOLARSHIPS AND PRIZES

OPPORTUNITIES FOR SELF-HELP

The long summer vacation is designed to enable students to engage in preaching under the Home Missionary societies, or in other remunerative employment.

During the latter part of the course, a portion of the students receive remuneration for preaching in places easily accessible. Such opportunities are increased by grants from the EVEREST FUND, established by Dr. and Mrs. Solomon Everest, of Canton, Connecticut, and administered by the Missionary Society of Connecticut. About \$250 is annually appropriated from this Fund, on recommendation of the Faculty, to students of the Yale Divinity School, for work in mission churches in Connecticut.

The DIVINITY BOOK ROOM is a coöperative association to enable students to purchase books at net rates. The Manager, who receives a commission on sales, is elected annually by the student body. The Manager of the Social Room is paid the equivalent of the expenses for his room.

In the management or service of eating clubs, a certain number of students find opportunities for earning all or part of the price of board.

Payment is made by the Faculty for playing and blowing the Chapel organ, for the care of the Library, and, in certain cases, for work in library cataloguing, correcting examination papers, etc. Further opportunities of employment may be found through the University Bureau of Self-Help, conducted by Rev. C. L. Kitchel, Phelps Hall.

GENERAL SCHOLARSHIPS

General scholarship funds have been given to the Divinity School by various donors, to enable students who give promise of usefulness to prepare for the Christian ministry, in cases where without such assistance they are unable to do so. By cultivating the spirit of independence, and, at the same time, promoting the practical efficiency of students for the Christian ministry, the intention of the donors will be best fulfilled. Scholarship aid is therefore considered not as a gift, but as a means of livelihood obtained by a definite amount of religious work, under competent supervision. The funds are used to create opportunities for employment in New Haven and vicinity, through which the students may receive training in strictly pastoral work. At the same time it is designed to make the students an efficient force in the religious life of the city.

Students of the undergraduate classes, whose circumstances require it, may make application for scholarship employment, at the beginning of the year. After personal consultation with the Dean and the Director of Religious Work, each man, whose application is approved, is assigned to work under one of the pastors or mission workers of the city. The assignment and general supervision are in charge of the Director of Religious Work, a recent graduate employed solely for this purpose. In

consideration for the service received, the pastor or mission worker agrees to give to the student working under him direct supervision and the benefit of his experience. The average amount of time required is six hours per week. The usual remuneration is \$100 per year, payable in semi-annual installments. In cases where the quantity or quality of the work falls conspicuously above or below the standard, the remuneration will be graded accordingly. Regular reports are required from both students and pastors at the end of each term, and payments are made as soon as the work of the student has been pronounced satisfactory.

As one object of the system is to supplement the work of the Department of Practical Theology, only those employments are selected which involve personal contact with the cases and types which a future pastor is likely to meet, and a study of the personal and parish problems with which he will be confronted. Teaching and public speaking are placed in the background, to leave room for some form of visiting under the guidance of a mature worker. In most cases the student is given a small parish of a few families, for whose religious growth he is largely responsible. Inexperienced students are in general assigned to some form of mission work, while those who have received this preliminary training have the fuller opportunity of gaining, as pastors' assistants, some knowledge of the workings of a large city parish.

New Haven, with its population of 120,000, offers a large and varied clinical field. It contains seventeen Congregational churches, and strong churches of all denominations. The mission field includes the well organized City Missions, Welcome Hall with its institutional features, Lowell House Settlement in the midst of a large foreign population, two Hospitals, where students serve as chaplains, the Jail, where work is done for discharged men in connection with the Calvary Industrial Home, the Alms House, clubs for street boys and working men and the

large city Young Men's Christian Association. As the demand for workers greatly exceeds the supply, the Director is able to exercise considerable selection in the choice of opportunities for work.

Students whose circumstances do not require scholarship aid, but who desire to have the benefit of the practical training which the system gives, may volunteer for similar work, with the same privilege of mature supervision.

EDUCATION SOCIETY GRANTS

Students intending to enter the Congregational ministry, whose circumstances require it, may receive \$50 per year, as a grant or loan, from the Congregational Education Society. This aid is conditioned upon good scholarship and high general merit, and requires an examination and certificate by the local committee of the Society.

PRIZE SCHOLARSHIPS

A limited number of prize scholarships of \$100 and \$50 each, the former known as the FOGG and the latter as the ALLIS SCHOLARSHIPS, are awarded, on the basis of high scholarship, in semi-annual installments, to members of the several classes at the beginning of each half-year. Candidates for these scholarships for the first half of the Junior year are required to pass an examination in Greek (at sight), Philosophy, and English Literature (in addition Hebrew, History and Economics may also be offered), on entering the Divinity School, or as may be otherwise arranged with the Dean. Testimonials and other evidence of previous scholarship will have weight in determining the award. The grade of scholarship required in a candidate for a Fogg Scholarship is that of the Philosophical Oration at Yale. The regular examinations at the end of each term determine the award of these scholarships for the next succeeding term. A corresponding entrance examination in theological studies equivalent to those of the

first or second year is required of candidates for these scholarships who enter the Middle or Senior class as new students.

The Allis Scholarships of \$50 each stand in the relation of second prizes to the Fogg Scholarships.

Young men of superior ability and attainments, whose circumstances require it, may thus, through the general and prize scholarships, receive two hundred dollars a year throughout their Divinity course.

Honorary rank is in all cases given to students who are equal in merit to the holders of the Fogg and Allis Scholarships, but whose circumstances are such that they do not require pecuniary assistance.

PREMIUMS

The DOWNES PRIZES, founded in 1896 by the late William E. Downes, Esq., of New Haven, will be awarded to the students of the Senior and Middle classes who shall attain to the highest proficiency in the public reading of the Scriptures and of Hymns. A first prize of fifty dollars and a second prize of forty dollars will be assigned by a committee appointed by the Faculty to the two successful competitors in each of these classes.

GRADUATE FELLOWSHIPS

A GRADUATE FELLOWSHIP was established in 1876, as a memorial of the late Mrs. Aurelia D. Hooker, of New Haven. It is assigned at graduation to that member of the class to which it is offered, who, having been connected with the School during, at least, two years of the course, and being of approved Christian character, has, in the judgment of the Faculty, acquired such proficiency in theological studies as best to qualify him for the advantages offered by this foundation for the further prosecution of the same. The person to whom the scholarship is given receives the annual income (\$600) for two years after graduation, and

is expected to pursue a course of theological study under the direction of the Faculty, either as a resident at the School, or, in case he may prefer to do so, in Europe or Palestine. The HOOKER FELLOWSHIP is offered to the classes graduating from the Divinity School in 1905 and in 1907.

A SIMILAR GRADUATE FELLOWSHIP yielding \$500, which has been established as a memorial of the late Mrs. Susan B. Dwight, of New Haven, and will afford to the student who shall receive it the same privileges for one year after graduation, is offered on the same conditions to the classes graduating from the Divinity School in 1906 and 1908.

The Yale Divinity School is a contributor to the schools of the American Institute of Archaeology at Rome and Jerusalem. No examinations are required for the graduates of contributing institutions. A fellowship in each school is annually assigned, on the basis of competitive examination.

GRADUATE SCHOLARSHIPS

Scholarship aid for the pursuit of fourth year studies in the Graduate class will, at the discretion of the Faculty, be offered to such members of the Senior class of this School, and to such graduates of other theological schools, as shall, in the judgment of the Faculty, give promise of special success in advanced theological study. Some equivalent service is required.

DEPARTMENT OF MEDICINE

(YALE MEDICAL SCHOOL)

FACULTY

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

HERBERT EUGENE SMITH, M.D., *Dean of the Medical School, and
Professor of Chemistry*

CHARLES AUGUSTUS LINDSLEY, M.D., *Professor of the Theory and
Practice of Medicine, Emeritus, and Lecturer on Sanitary Science*

WILLIAM HENRY CARMALT, M.D., *Professor of the Principles and
Practice of Surgery*

THOMAS HUBBARD RUSSELL, M.D., *Professor of Clinical Surgery, and
Lecturer on Surgical Anatomy*

RUSSELL HENRY CHITTENDEN, PH.D., LL.D., SC.D., *Professor of
Physiology*

JOHN SLADE ELY, M.D., *Professor of the Theory and Practice of
Medicine*

OLIVER THOMAS OSBORNE, M.D., *Professor of Materia Medica and
Therapeutics*

HENRY LAWRENCE SWAIN, M.D., *Clinical Professor of Laryngology
and Otology*

ARTHUR NATHANIEL ALLING, M.D., *Clinical Professor of Ophthalmology*

HARRY BURR FERRIS, M.D., *Professor of Anatomy*

OTTO GUSTAF RAMSAY, M.D., *Professor of Obstetrics and Gynecology*

RALPH AUGUSTINE McDONNELL, M.D., *Clinical Professor of Derma-
tology*

CHARLES JOSEPH BARTLETT, M.D., *Professor of Pathology*

YANDELL HENDERSON, PH.D., *Assistant Professor of Physiology*

FRANCIS BACON, M.D., *Lecturer on Medical Jurisprudence*

SAMUEL BENEDICT ST. JOHN, M.D., *Lecturer on Ophthalmology*

GEORGE RUBENS SHEPHERD, M.D., *Lecturer on Life Insurance Exami-
nations*

- MAX MAILHOUSE, M.D., *Clinical Lecturer on Neurology*
EDWARD MICHAEL McCABE, M.D., *Instructor in Ophthalmology*
LOUIS BENNETT BISHOP, M.D., *Instructor in Pediatrics*
LEONARD WOOLSEY BACON, JR., M.D., *Instructor in Operative Surgery*
CHARLES DICKINSON PHELPS, M.D., *Instructor in Physical Diagnosis*
FREDERICK STEARNS HOLLIS, PH.D., *Instructor in Chemistry*
ROBERT ELLSWORTH PECK, M.D., *Instructor in Neurology*
WILLIAM SPRENGER, M.D., *Instructor in the Uses of X-Rays*
FREDERICK COURTNEY BISHOP, M.D., *Instructor in Otology*
SAMUEL MOWBRAY HAMMOND, M.D., *Instructor in Clinical Medicine*
ERNST HERMAN ARNOLD, M.D., *Instructor in Orthopedic Surgery*
ALLEN ROSS DIEFENDORF, M.D., *Lecturer on Psychiatry*
FREDERICK NOYES SPERRY, M.D., *Demonstrator of Anatomy, and
Instructor in Laryngology*
LEO FREDERICK RETTGER, *Instructor in Bacteriology*
EDWARD FRANCIS McINTOSH, M.D., *Instructor in the Diseases of the
Stomach*
CLARENCE GILMAN SPALDING, PH.B., *Demonstrator of Pharmacy*
THOMAS GEORGE SLOAN, M.D., *Instructor in Anaesthesia*
THOMAS VINCENT HYNES, M.D., *Instructor in Obstetrics*
LEONARD CUTLER SANFORD, M.D., *Assistant in the Surgical Clinic*
WILLIAM HENRY CUSHING, M.D., *Assistant in the Medical Clinic*
HENRY FREDERICK KLENKE, M.D., *Clinical Assistant in Dermatology*
ALFRED GOLDSTEIN NADLER, M.D., *Clinical Assistant in Pediatrics*
HARRY MERRIMAN STEELE, M.D., *Assistant in Pediatrics, and in
Pathology*
HARRY LITTLE WELCH, M.D., *Assistant in Gynecology*
WILLIAM SAMUEL BARNES, M.D., *Assistant in the Medical Clinic*
WILLIS HANFORD CROWE, M.D., *Clinical Assistant in Ophthalmology*
WILLIS ELLIS HARTSHORN, M.D., *Assistant in Pathology, and in the
Surgical Clinic*
RICHARD FOSTER RAND, M.D., *Assistant in the Gynecological and Surgi-
cal Clinics*
PAUL BERNARD KENNEDY, M.D., *Assistant in the Medical Clinic*
WILLIAM NELSON WINNE, M.D., *Clinical Assistant in Pediatrics*
CARLE WILLIAM HENZE, M.D., *Assistant in the Medical Clinic*

In the fall of 1810 a charter was granted to the President and Fellows of Yale College and the President and Fellows of the Connecticut Medical Society, authorizing them to unite according to the terms of certain "Articles of Union," before agreed upon, for the establishment of a medical seminary, to be styled the Medical Institution of Yale College. Two years later the School was organized, and in the fall of 1813 instruction was begun. The professors of the Faculty were appointed by the College Corporation from nominations by the Medical Society. Degrees were conferred by the College on the recommendation of the board of examiners, consisting of the members of the Faculty and an equal number appointed by the Medical Society. This dual government continued until 1884, when by an amicable arrangement with the Medical Society, the College authorities assumed entire control of the School.

The Medical School now constitutes the Medical Department of the University, and is governed by the Professors of the Faculty of Medicine under the authority of the President and Fellows of the University.

In the early years the instruction consisted of didactic and clinical lectures and dissections during a short winter course. As time passed, changes in the relations between practitioners and students of medicine, and even greater changes in the art and science of medicine, demanded a different kind of instruction, and the course was altered from time to time to meet the varying conditions. In 1879 there had been established a graded course, extending through three years of eight months each and including considerable laboratory instruction. In 1896 the extension of the course to four years permitted a more complete and satisfactory grading of the studies which has formed the basis of the curriculum now in force.

BUILDINGS AND EQUIPMENT

The School owns and occupies three buildings, Medical Hall, the Laboratory Building and the new University Clinic.

MEDICAL HALL contains the general lecture rooms, the museum, and laboratories of anatomy, histology, pathology, and bacteriology. The lecture rooms are provided with modern electric projection lanterns, and in other ways are well equipped for the lectures and recitations held in them. The laboratories are equipped with the necessary number of modern microscopes as well as with complete outfits for bacteriological research, and for the study of blood, sputum, and other objects of clinical interest. The collections of anatomy, pathology, and materia medica supply material for the class-room demonstrations, and for individual study by students in the laboratories.

The **LABORATORY BUILDING** contains the lecture rooms and laboratories of physiology and chemistry. The lecture rooms are well equipped for the special work carried on in them, and the laboratories are abundantly supplied with apparatus and materials for the class work as well as for research.

The **UNIVERSITY CLINIC** has been recently erected and equipped by the University at a cost of about \$100,000. It is opposite the New Haven Hospital, and is a three-story building admirably arranged and fully equipped for the work carried on in it. The greater part of the first and second stories is occupied by the New Haven Dispensary. This portion consists of two large waiting rooms, and twenty-five consulting, examining, and operating rooms which are equipped for the special requirements of the different clinics. In the third story is a comfortably furnished dormitory for the use of students attending the out-patient obstetrical service. The building also contains an amphitheatre and lecture room for general and clinical lectures in the practical branches.

CLINICAL FACILITIES

The **NEW HAVEN HOSPITAL**, with a capacity of about 170 beds, is situated but a short distance from the Medical School buildings and offers abundant opportunity for

clinical instruction. The service is an active one, as the Hospital is the principal one in the city, which is a large manufacturing and railroad center. The Farnam Operating Theatre is modern in all its equipments, and was planned with special reference to making the operations available for purposes of instruction to students. A Clinical Amphitheatre has been added recently to the Hospital for the better accommodation of the medical clinics and affords the best facilities for the demonstration of cases, and of special methods of examination. The Maternity Building, which has been completed recently, is closely connected with the other hospital buildings and affords the most modern appliances for the obstetrical service.

The NEW HAVEN DISPENSARY occupies a part of the University Clinic. The service consists of more than 17,000 consultations annually, and furnishes ample clinical facilities for the demonstration of disease processes, and is especially valuable in giving students an opportunity to see the ambulant types of disease. The service is divided into the following departments: Internal medicine; surgery; orthopedic surgery; ophthalmology; laryngology, otology and rhinology; neurology; gynecology and obstetrics, including an out-patient department; pediatrics; dermatology, and the X-Ray Laboratory. Besides the general clinics which are held in all of these departments, the Dispensary furnishes abundant material for the classes in physical diagnosis, and numerous courses of demonstrations to small groups of students. The Seniors participate in the regular work of all the clinics, to which they are appointed as assistants in rotation.

The STATE HOSPITAL FOR THE INSANE, situated at Middletown, accommodates about 2000 patients. By a recent arrangement the instruction in psychiatry will be combined with clinics at this Hospital. The large number of patients give ample facilities for the demonstration for all forms of insanity, and allied ailments.

The SPRINGSIDE HOSPITAL, which is connected with the City Almshouse, affords a valuable opportunity for clinical demonstrations, especially in the diseases of advanced life.

LIBRARY FACILITIES

The LIBRARIES—The University Library contains 300,000 volumes and includes the Medical Library. The University subscribes annually for the most important of the French, German, English and American journals. The Medical Library is an important part of the facilities of this School, as it gives the student ample opportunities of working in special lines. Medical students have the same privileges of consulting and drawing books as students in the other departments of the University. A small circulating library of recent medical books is maintained in the alumni room in Medical Hall by the editors of the Yale Medical Journal.

REQUIREMENTS FOR MATRICULATION

Candidates for admission to the First year of the course leading to the degree of Doctor of Medicine must present satisfactory testimonials of moral character from former instructors or physicians in good standing, and must qualify in the educational requirements in one of the ways stated below.

(I). Candidates who have received a degree in Arts or Science are admitted on presentation of their diplomas.

(II). Candidates who are graduates of approved high schools, academies and preparatory schools, and those who have been admitted to approved colleges, may be admitted on certificates, blank forms for which may be obtained from the Dean. The certificates must cover the required subjects, Nos. 1, 2, 4, 26 and 30, of the list of subjects of examination given below and amounting to $5\frac{1}{2}$ units, and also a sufficient number of electives to amount to at least $9\frac{1}{2}$ units, thus completing the required total of 15 units.

(III). All other candidates must pass satisfactory examinations in the required subjects, Nos. 1, 2, 4, 26 and 30, and must also qualify by examination, or by approved certificates, in a sufficient number of electives to amount to at least $9\frac{1}{2}$ units, thus completing the required total of 15 units.

SUBJECTS OF EXAMINATION

NOTE—The subjects marked * are designated as *required subjects* and the others as *electives*. Each unit is intended to represent about 150 hours of class work.

ENGLISH.

- *1. The principles of Rhetoric: To the extent given in Hill's *Principles of Rhetoric*, 1 unit
- *2. Readings: A good knowledge of the lives of the authors, the subject matter, form and construction, is required. The examination for the years 1904 and 1905 will be on the following works: Shakespeare's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton and Addison*, 1 unit

NOTE.—Equivalent readings may be offered by the candidate.

- 3. History of English Literature, 1 unit

LATIN.

- *4. Latin Grammar and simple translations, 1 unit
- 5. Caesar, books I-IV, 1 unit
- 6. Vergil's *Aeneid*, books I-VI, 1 unit
- 7. " *Eclogues*, $\frac{1}{2}$ unit
- 8. Ovid—*Metamorphoses* 1500 lines, $\frac{1}{2}$ unit
- 9. Cicero—The four orations against Catiline and for Archias and the *Manilian Law*, 1 unit
- 10. Prose Composition, $\frac{1}{2}$ unit

GREEK.

- 11. Greek grammar and simple translations, 1 unit
- 12. Xenophon—*Anabasis*, books I-IV, 1 unit
- 13. Homer—*Iliad*, books I-III, 1 unit
- 14. Prose Composition, $\frac{1}{2}$ unit

HISTORY.

- | | | |
|--|-----------|--------------------|
| 15. Greek history to the death of Alexander the Great, | | $\frac{1}{2}$ unit |
| 16. Roman history to the death of Augustus, | | $\frac{1}{2}$ unit |
| 17. English history, | | $\frac{1}{2}$ unit |
| 18. United States history, | | 1 unit |
| 19. General history, | | 1 unit |

MODERN LANGUAGES.

- | | | |
|---|-----------|--------|
| 20. French grammar and simple translations, | | 1 unit |
| 21. Sight translation of easy French prose, | | 1 unit |
| 22. Sight translation of advanced French, | | 1 unit |
| 23. German grammar and simple translations, | | 1 unit |
| 24. Sight translation of easy German prose, | | 1 unit |
| 25. Sight translation of advanced German, | | 1 unit |

MATHEMATICS.

- | | | |
|---|-----------|----------------------|
| *26. Algebra and the Metric System of Weights and Measures, | | $1\frac{1}{2}$ units |
| 27. Plane Geometry, | | 1 unit |
| 28. Solid Geometry, | | 1 unit |
| 29. Plane Trigonometry and Logarithms, | | $\frac{1}{2}$ unit |

SCIENCES.

- | | | |
|-------------------------|-----------|--------------------|
| *30. Physics, | | 1 unit |
| 31. Chemistry, | | 1 unit |
| 32. Botany, | | 1 unit |
| 33. Zoology, | | 1 unit |
| 34. General Biology, | | 1 unit |
| 35. Astronomy, | | $\frac{1}{2}$ unit |
| 36. Geology, | | $\frac{1}{2}$ unit |
| 37. Physical Geography, | | $\frac{1}{2}$ unit |
| 38. Physiology, | | $\frac{1}{2}$ unit |

The matriculation examinations are held at the Medical School, beginning at 9 A. M., on the Thursday following Commencement, and on the Monday preceding the opening of the first term; also, for those conditioned in previous examinations, on the Tuesday preceding the opening of the second term in January.

Candidates may also be examined in June in about thirty other places where examinations are regularly held for admission to other departments of the University, on the Thursday following Commencement. Information con-

cerning the time and place of these examinations may be obtained by applying to the Dean three weeks in advance. A fee of five dollars is charged for admission to examinations held out of New Haven.

ADMISSION TO ADVANCED STANDING

Students who have studied one year in some other recognized institution may be admitted to the Second year class, and those who have studied two years may be admitted to the Junior class, but students are not received from other schools into the Senior class. Students applying for advanced standing must have pursued studies reasonably equivalent to those already pursued by the class to which they seek admission, and must pass the examinations of the First year for admission to the Second year class, and of the First and Second years for admission to the Junior class. These examinations may be taken in June with the class by applying to the Dean at least four weeks before Commencement, or they may be taken at the time of the autumn examinations, just before the beginning of the school year in September. Graduates in Arts, Philosophy, or Science, who have pursued studies in chemistry, physiology, anatomy, or histology during their undergraduate courses, may receive credit for such work as is the equivalent of the courses in these studies in the First year, and may fill out the number of hours required of First year students by pursuing certain advanced studies with the Second year class, or by pursuing studies in the Graduate School.

TERMS AND VACATIONS

The annual sessions of the School are divided into three terms, covering thirty-five weeks, exclusive of a vacation of three weeks at Christmas and a recess at Easter usually of one week.

The first term begins with the last Thursday in September, and continues twelve weeks. The second term begins

on the second Wednesday in January, and continues twelve weeks. The third term is eleven weeks in length, ending with Commencement. (See Calendar.)

METHODS OF INSTRUCTION

The instruction in this School is conducted by recitations and lectures in the class-room, and by personal work in the laboratories and clinics.

The class-room work of the first and second years is chiefly by recitations from assigned readings, with which are combined frequent demonstrations and explanatory lectures. In the third and fourth years, lectures are more employed, but the instruction is still based for the most part on assigned readings in text-books.

The curriculum of the first two years contains a very large proportion of laboratory work which extends to the third and fourth years, but is largely replaced in the latter period by personal clinical work. The laboratories are thoroughly equipped for systematic and accurate work, and such work is exacted from the student. In the clinical instruction less dependence is placed upon formal clinical lectures, and more upon personal instruction to small classes, and to individual students.

Advancement from one class to the next depends not only on the results of examinations but also on the records of the student's daily work.

THE CURRICULUM

The curriculum of this School is graded to furnish in four years a systematic presentation of the various subjects of medical study. When a subject is pursued two years the course is a progressive one, in which the work of the second year is not a repetition of that of the first.

The arrangement of the curriculum is such that the student spends the first and second years on the fundamental branches, chemistry, physiology, anatomy, histology, pathology, and materia medica.

The third year he devotes chiefly to a systematic study of medicine, surgery, obstetrics, and pharmacology.

In the Senior year he continues the study of medicine and surgery and has a systematic presentation of the chief specialties in a series of recitations and lectures, combined with general clinics and section work.

SYNOPSIS OF THE CURRICULUM

N. B. The number of hours are hours per week.

FIRST YEAR

ANATOMY — *Recitations, lectures, and demonstrations*, Osteology, Arthrology, Myology, 3 hours throughout the year, Prof. Ferris. *Laboratory, Dissections*, 15 hours second term, Prof. Ferris, Dr. Sperry and Assistant Demonstrators.

HISTOLOGY — *Recitations and illustrated lectures*, 1 hour first and second term, Prof. Ferris. *Laboratory*, Microscopical technique and histology of normal tissues, 4 hours first and second terms, Prof. Ferris, and assistants.

EMBRYOLOGY — *Recitations and lectures*, 2 hours third term, Prof. Ferris. *Laboratory*, Embryology, 4 hours third term, Prof. Ferris, and assistants.

PHYSIOLOGY—*Recitations and experimental demonstrations*. An elementary course, 2 hours throughout the year, Prof. Henderson.

GENERAL CHEMISTRY—*Recitations and experimental demonstrations*. The elements and their compounds, 4 hours first term, Prof. Smith and Dr. Hollis. *Analytical Chemistry, Class-room*, 1 hour first term, Dr. Hollis. *Laboratory*, 12 hours first term, 6 hours half of second term, Dr. Hollis, and assistants. *Organic Chemistry, Recitations*, Constitution and properties of organic compounds, 2 hours second and third terms, Prof. Smith.

PHYSIOLOGICAL CHEMISTRY—*Recitations and lectures*, The proximate principles, tissues and secretions, 2 hours second and third terms, Dr. Hollis. *Laboratory*, 6 hours second term, 9 hours third term, Dr. Hollis.

ANNUAL EXAMINATIONS—(1) General Chemistry, including a laboratory examination at the end of first term. (2) Physiological Chemistry. (3) Histology and Embryology. (4) Anatomy. (5) Physiology.

SECOND YEAR

ANATOMY—Continued. *Recitations and demonstrations*, Angeiology, Neurology, Splanchnology, Topographical Anatomy, 3 hours through-

out the year, Prof. Ferris. *Laboratory, Dissections*, 15 hours first or second term, Prof. Ferris, Dr. Sperry and Assistant Demonstrators.

PHYSIOLOGY—Finished. *Lectures and recitations*, 3 hours first term, Prof. Chittenden; 3 hours second and third terms, Prof. Henderson. *Experimental demonstrations*, 6 hours first and second terms, Prof. Henderson.

PHARMACY AND MATERIA MEDICA—*Demonstration* of pharmaceutical methods, 12 hours in the second term, Mr. Spalding. *Recitations and demonstrations*, Classification of drugs, therapeutic appliances, prescription writing, 2 hours third term, Prof. Osborne.

PHARMACOLOGY — *Laboratory*, Experimental demonstrations of the methods of studying the action of drugs, 6 hours second term, Prof. Henderson. *Lectures with demonstrations* in toxicology, 20 lectures third term, Prof. Chittenden.

PATHOLOGY—*Recitations and demonstrations*, General and special Pathology, 1 hour first term, 3 hours second and third terms, Prof. Bartlett. *Laboratory*, Histology of morbid tissues, 2 hours first term, 6 hours second and third terms, Prof. Bartlett and assistants.

BACTERIOLOGY—*Recitations*, 2 hours first term, Prof. Bartlett. *Laboratory*, Technique, preparation of media, pure cultures, etc., 6 hours first term, Prof. Bartlett and Dr. Rettger.

MEDICINE—*Lectures*, Symptomatology, 2 hours third term, Prof. Ely.

EXAMINATIONS—(1) Anatomy. (2) Physiology. (3) Materia Medica. (4) Pathology.

JUNIOR YEAR

PHARMACOLOGY—*Recitations and lectures*, Action and application of drugs, 3 hours first and second terms, Prof. Osborne.

THERAPEUTICS—*Lectures*, History of Medicine, physical therapy, climatology, dietetics, 1 hour third term, Prof. Osborne.

PATHOLOGY—Autopsies, Prof. Bartlett.

MEDICINE—*Recitations and lectures*, 4 hours first term, 3 hours second and third terms, Prof. Ely. *Clinics*, General medical, 3 hours, New Haven Hospital, Prof. Ely; 1 hour, University Clinic, Dr. Phelps. *Laboratory*, Clinical microscopy, 2 hours second and third terms, Prof. Ely. *Physical Diagnosis*, Systematic practical study of physical signs and methods of examination, 2 hours half year, in sections, Dr. Phelps. *Neurology, Recitations*, 2 hours third term, Dr. Peck. *Dermatology*, 1 hour second and third terms, Prof. McDonnell.

SURGERY—*Lectures*, General surgery, 2 hours first term, 3 hours second and third terms, Prof. Carmalt. *Bandaging*. Practical work in sections, 1 hour third term, Dr. Leonard Bacon. *Surgical Anatomy, Lectures*, 1 hour first term, Prof. Russell. *Clinics*, General surgical,

2 hours throughout the year, at the University Clinic, Prof. Carmalt ; 3 hours throughout the year at the New Haven Hospital, Prof. Carmalt and Prof. Russell.

OBSTETRICS—*Recitations and lectures*, 2 hours throughout the year, Prof. Ramsay. *Demonstrations* with the manikin, mechanism of labor, Prof. Ramsay.

GYNECOLOGY—*Recitations*, 1 hour throughout the year, Prof. Ramsay.

ANNUAL EXAMINATIONS—(1) Pharmacology. (2) Obstetrics and Gynecology. (3) Medicine. (4) Surgery.

SENIOR YEAR

THERAPEUTICS—*Recitations and lectures*, 1 hour throughout the year, Prof. Osborne. *Therapeutic Clinics*, Applied therapeutics, with section work throughout the year, University Clinic, Prof. Osborne.

OBSTETRICS—*Demonstrations* with the manikin and *Obstetric Surgery*, in sections, first term. *Midwifery Clinic*, *Demonstrations* and *section work*, with reports of cases attended by students, Prof. Ramsay and Dr. Hynes.

GYNECOLOGY—*Clinics, Lectures, Section work*, Diagnosis and treatment, throughout the year, University Clinic and New Haven Hospital, Prof. Ramsay.

SURGERY—*Lectures*, special topics, 1 hour second and third terms, Prof. Carmalt. *Clinics*, General surgical, 2 hours throughout the year, University Clinic, Prof. Carmalt. *Section work* throughout the year, Prof. Carmalt. *Ward Classes and operations*, 3 hours throughout the year, New Haven Hospital, Prof. Carmalt and Prof. Russell.

OPERATIVE SURGERY—*Recitations*, 2 hours first term, Dr. Leonard Bacon. *Section work*, Operations on the cadaver, second term, Dr. Leonard Bacon.

GENITO-URINARY SURGERY—*Recitations and lectures*, 1 hour second term, Prof. Russell.

ORTHOPEDIC SURGERY—*Lectures and section work*, throughout the year, University Clinic, Dr. Arnold.

OPHTHALMOLOGY — *Lectures*, 1 hour first term, Dr. St. John. *Clinics and section work* throughout the year, University Clinic, Prof. Alling.

LARYNGOLOGY AND RHINOLOGY—*Lectures*, 2 hours first term, 1 hour second term, Prof. Swain. *Section work and manikin practice*, throughout the year, University Clinic, Prof. Swain.

MEDICINE—*Special Clinics and Section work*, throughout the year, University Clinic, Prof. Osborne and assistants. *Hospital Clinics*, 3 hours, Prof. Ely. *Conference*, 2 hours, Prof. Ely.

DERMATOLOGY—*Clinics, Lectures and demonstrations*, 1 hour throughout the year, University Clinic, Prof. McDonnell.

PEDIATRICS—*Recitations*, 2 hours first term, Dr. Bishop. *Section work*, throughout the year, University Clinic, Dr. Bishop.

NEUROLOGY—University Clinic, *Section work* and *Special Clinics*, throughout the year, Dr. Peck; New Haven Hospital, *Clinics*, 1 hour second term, Dr. Mailhouse.

PSYCHIATRY—*Recitations*, 1 hour first term, with *clinics* at the State Hospital, Dr. Diefendorf.

SANITARY SCIENCE—*Lectures*, 1 hour second term, Prof. Lindsley.

LIFE INSURANCE EXAMINATIONS—*Six lectures*, Dr. Shepherd.

MEDICAL JURISPRUDENCE—*Lectures*, 1 hour second and third terms, Dr. Francis Bacon, and Professors Smith and Bartlett, and Dr. Diefendorf.

ANNUAL EXAMINATIONS—(1) Therapeutics. In Medicine (2) Clinical Examination of Cases; (3) Medicine I (Psychiatry, Pediatrics, Neurology); (4) Medicine II (Dermatology, Sanitary Science, Medical Jurisprudence); (5) (Senior Surgery, Operative Surgery, Genito-urinary Surgery); (6) Special Surgery (Orthopedic Surgery, Otology and Rhino-laryngology, Ophthalmology); (7) A Thesis.

CHEMISTRY

The instruction in this department is given by laboratory work, combined with recitations and explanatory lectures, very completely illustrated by experimental demonstrations and specimens.

The department has two large working laboratories fully equipped for analytical and physiological chemistry. In them each student is supplied with a desk and ample apparatus for systematic and accurate experimental work. The lecture room is furnished with a projection lantern, abundant apparatus for demonstration, and a large chemical collection. The research laboratory is well equipped and is open to advanced students.

GENERAL CHEMISTRY—The course of recitations includes the fundamental principles of chemistry, and the reactions and characters of the more common elements and compounds. A special course is given in *organic chemistry*, in which much attention is devoted to the constitution and relations of the different classes of compounds. Many of the typical bodies are prepared before the class as demonstrations.

ANALYTICAL CHEMISTRY—*Qualitative Analysis* is taught so far as to require the students to be able to analyze a mixture of the salts of the common metals. The course is systematic and is well adapted to cultivate habits of observation and the analytical method of thought. In *Quantitative Analysis* each student makes a number of typical determinations by volumetric and gravimetric methods.

PHYSIOLOGICAL CHEMISTRY—The course consists of recitations and a practical laboratory study of many of the proximate principles of the animal body, and the reactions and composition of the various tissues and fluids, particularly the digestive juices and the urine.

CLINICAL CHEMISTRY constitutes a part of the clinical laboratory course of the Junior year, which deals with the analytical methods of value in clinical and sanitary work, especially in the study of the blood, sputum, stomach contents, urine from pathological cases, and feces.

Two examinations are held in this department, one in general chemistry, including organic and analytical chemistry, and one in physiological chemistry. The results of these examinations, together with the records of the student's practical work, determine his standing for the year.

ANATOMY

SYSTEMATIC ANATOMY—The course in this subject is graded and extends through the first two years. The instruction is given by means of dissections, recitations, class and section demonstrations, and lectures illustrated by charts, models, wet and dry preparations, and lantern slides. The lectures are intended to be explanatory and supplemental and for the elucidation of the general principles of morphology. The laboratory is well equipped, and ample material, well preserved by embalming and refrigeration, is furnished. Each student is required to make a careful dissection of the three parts of the body at least once. At the completion of a part a quiz is held with each student, which, with the recitations and written examination at the end of the year, determines his standing.

First Year—The work of the First year is devoted to osteology, arthrology, and myology. Each student is furnished with a box containing a skeleton for home study. The study of the soft structures is prosecuted in the laboratory under constant supervision, and two parts at least must be dissected, occupying a period of about twelve weeks.

Second Year—The dissection of at least one part is required this year. The anatomy of the peritoneum, the thoracic and abdominal viscera, and of the eye and brain are carefully demonstrated to the students in small groups. The study of surface form and topography in the cadaver and model is an important part of the work. The embryology of each organ is reviewed in connection with its structure, and the salient facts of comparative morphology, especially of the brain, alimentary, circulatory and respiratory organs, are explained. During the second term a special course in the anatomy of the brain is given. The examination at the end of the year includes angiology, neurology, splanchnology, and topographical anatomy.

HISTOLOGY—Instruction in histology is given by recitations and lectures illustrated by charts, blackboard drawings, and lantern slides, but chiefly by laboratory work. The recitations and lectures precede and prepare for the better interpretation of the specimens in the laboratory. The laboratory is large, well lighted and equipped, and each student is furnished a microscope and locker containing a box with all necessary apparatus and reagents. First the elementary tissues and their morphological units are studied by fresh and unstained specimens as well as by stained ones, then the various organs are systematically taken up. The student prepares, stains, and mounts the specimens so far as is practicable, making drawings of each with explanatory notes. At the beginning of each laboratory exercise, the specimens for the day are demonstrated by an excellent electric projection apparatus, experience having shown this method of instruction to be very helpful. Systematic instruction is given in the methods of fixing, embedding, and sectioning tissues, and in the structure and functions of the various parts of the microscope and accessory optical appliances.

A practical and written examination is held at the end of the year covering the subjects of histology and the microscope and microscopical technology, which together with the recitations, laboratory work, and drawing books determines the student's standing.

Facilities are offered and assistance given to students who are making original investigations in connection with their theses.

EMBRYOLOGY—The method of instruction in this branch is similar to that in histology. The laboratory work consists of a study of the early development of the chick by surface views and serial sections, of a pig of ten millimeters in length and of the structure of the human decidua, placenta, and cord. The cabinet furnishes serial sections of the human embryo which are used for reference. Congenital malformations and vestigial structures are considered and explained. Some attention is given to embryological technology and reconstructions. The examination is incorporated with that of histology and is of a similar nature.

TOPOGRAPHICAL AND SURGICAL ANATOMY—The junior students receive instruction in the topographical and special surgical relationships of anatomy in a course of lectures with demonstrations on the living model and the cadaver.

PHYSIOLOGY

The instruction in this department is given during the First and Second years. In the First year the course is elementary in character, being designed to present merely an outline of the subject. At the same time, by means of abundant demonstrations, the student is made to see many of the fundamental phenomena of life, and becomes

acquainted with many of the methods by which the more important physiological principles are established. In the Second year the subject is treated with much more detail, and special attention is given to the physiology of the nervous system and the special senses, to the physiology of secretion, digestion and nutrition, and to such other topics as seem of special importance to the medical student. Instruction is given by recitations, demonstrations and lectures, combined with a practical laboratory course, in which the students, under the supervision of an instructor, are required to do many of the more important experiments themselves. In this manner the physiology of muscle and nerve is worked out with great care, and the various graphic methods used in experimental physiology are illustrated and applied to the study of the phenomena of the circulation, respiration, etc. After the student has acquired familiarity with the methods of physiological experimentation, further training in the application of this technique is obtained by the study of the physiological action of drugs. The student works out for himself in the laboratory the action on the circulation, respiration and nervous system, of at least one example of each of the chief classes of drugs. In connection with this work the students attend a course of twenty lectures on experimental toxicology given to the students in Biology. These two courses are especially adapted as a preparation for the pharmacology of Junior year.

The lecture room of the department is adapted to its special requirements and is well equipped with apparatus and appliances for class demonstrations. The laboratory consists of a suite of six rooms, well appointed for experimental work. Advanced students are received into the laboratory and guided in research work on subjects suitable for presentation as theses.

MATERIA MEDICA AND THERAPEUTICS

Instruction in this department begins in the second term of the Second year and extends through the remainder of this year and through the whole of the Junior and Senior years.

PHARMACY—Lectures and laboratory demonstrations are given on this subject during the latter half of the Second year as an introduction to the study of materia medica. Various pharmacopœial preparations are made and some of the important chemical and pharmacal incompatibilities are demonstrated. Students are required to keep notes, and are quizzed on the subject as soon as the course is finished. Each student is also required to spend at least fifty hours in the prescription department of the Dispensary, or some drug store, or hospital, sometime between the end of the Second year and January of the Junior year.

MATERIA MEDICA—The study of this subject is begun in the last term of the Second year, and is taught by demonstrations of crude drugs and their preparations, and by recitations from a text-book. During this course hypodermic medication, hot and cold applications, and the various means of producing counter-irritation, are thoroughly treated.

PRESCRIPTION WRITING is taught by text-book recitations in the last term of the Second year, and by blackboard exercises during this term and throughout the Junior year. During the Senior year the students are appointed to act as clerks in the Dispensary and to write prescriptions under the supervision of the assistants.

PHARMACOLOGY—Instruction in this subject begins during the Second year, in the physiological laboratory, with demonstrations of the action of the most important drugs. The students are assigned in turn to take active part in these pharmacological experiments, and all are required to keep notes and to take quizzes on the work done. The study of this subject is continued by lectures, and by recitations from a text-book during the first and second terms of the Junior year.

TOXICOLOGY—This subject is chiefly studied in the course on pharmacology, but is specially treated in a course of lectures and demonstrations during the last term of the Second year, and from the chemical side in the course in medical jurisprudence in the Senior year.

THERAPEUTICS—This subject is introduced in the latter part of the Junior year by a series of lectures on the history of medicine from the earliest times, particular attention being given to the gradual evolution of scientific rational treatment. Lectures are then given on electricity, massage, hydrotherapy, organic extracts, climatology and dietetics. The subject is continued throughout the Senior year by lectures and recitations on the treatment of internal diseases. In the therapeutic clinic the treatment and results of treatment are especially emphasized.

Written examinations are held at the end of the Second and Junior years and a practical examination in the Senior year. Advancement depends on these examinations and the term standing.

PATHOLOGY

Instruction in pathology is given in the Second and Junior years. The systematic course in the subject comes in the Second year. It consists of a recitation and lecture course combined with laboratory work. The first part of the course is devoted to general pathology, including the study of bacterial lesions and tumors. This is followed by a detailed review of the special pathology of the important organs. The class-room exercises are illustrated by specimens from the autopsies and the museum.

The laboratory has an excellent equipment, being abundantly supplied with modern microscopes, which are furnished each student, together with the requisite apparatus and reagents. The laboratory course in pathological histology is systematic, and includes a study of the more important pathological processes and morbid tissues. Each student prepares a large collection of typical specimens, which becomes his own property. During the second term of the Second year, one exercise each week is devoted to the demonstration and study of gross pathological specimens. Particular attention is given to pathological technique. The various methods of preserving tissues both for gross and microscopic purposes are emphasized. Material obtained from cases in the clinics, and from the more interesting autopsies of the year, is used by the class for gross and microscopic purposes. In the Junior year attendance at the morgue of the New Haven Hospital is required, and the members of the class assist in performing the autopsies.

BACTERIOLOGY—A laboratory course in this subject with recitations and lectures is given during the first term of the Second year. This is preliminary to the study of the lesions produced by bacteria, which is taken up in the systematic course in pathology. Each student is provided with a desk and apparatus, and receives instruction in the principles and methods of sterilization, the preparation of the ordinary culture media, and the methods of growing, staining, and studying the various bacteria. Especial attention is given to such bacteriological methods as have been found of value in clinical diagnosis.

Facilities are offered for original research by this department both in the microscopical and bacteriological laboratories.

OBSTETRICS AND GYNECOLOGY

The instruction in this department extends through the Junior and Senior years.

THEORY AND PRACTICE OF OBSTETRICS—The principles are thoroughly taught in a course of recitations and lectures extending through the Junior year.

PRACTICAL OBSTETRICS—The theoretical instruction is supplemented by manikin and clinical work. The various positions of the foetus *in utero* and the mechanism of labor are taught in a manikin course during the Junior year. This course is preparatory to the clinical work of the Senior year. The symptoms and signs of pregnancy are demonstrated in the midwifery clinic at the University Clinic. Each member of the graduating class is required to attend at least two cases of labor, and to present a written report on them. Provision is made for this service at the University Clinic, where lodgings are provided for students in attendance.

OBSTETRIC SURGERY—The various obstetrical operations are taught in the first half of the Senior year in a course of lectures and demonstrations on the manikin.

GYNECOLOGY—The principles of gynecology are taught in a course of recitations during the Junior year. This theoretical work is supplemented by clinical lectures in the Senior year, and by a course in diagnosis and treatment taken by the students in small sections as they are assigned to the clinics.

MEDICINE

The instruction in the branches belonging to this department begins in the third term of the Second year and continues through the Junior and Senior years.

THE PRINCIPLES AND PRACTICE OF MEDICINE—The instruction begins in the last term of the Second year with a course of lectures on general symptomatology, in which the more important symptoms of disease are considered in their relations to physiology and pathological anatomy.

In the Junior year systematic instruction is given in the principles and practice of medicine. In the recitations and lectures the student is taken over the field covered by an approved text-book of the practice of medicine. At the same time he is taught the methods of examination in a course of practical instruction in physical diagnosis, and he attends general medical clinics at the University Clinic, and at the New Haven Hospital. During the second and third terms of the year a course in clinical microscopy is added, in which instruction is given in the chemical and microscopical methods employed in the clinical examination of the blood, exudates, transudates, sputum, stomach contents, urine and feces. Throughout this year the clinical work and the text-book exercises are made to accord as to subject in so far as it is practicable, with a view to making the clinics illustrate class-room work.

During the Senior year the text-book exercises are continued and extended in lectures and conferences, but the work is for the most part practical and clinical.

In the Hospital two medical clinics are held each week. Prior to their presentation at these clinics the cases are assigned to senior students for special study, the student taking the clinical history and making all such physical, chemical, microscopical and bacteriological examinations as may be necessary to a full understanding of the case. At the clinic the case is reported by the student and its pathology, symptomatology, diagnosis, prognosis and treatment are fully discussed.

At the University Clinic two clinical lectures are given each week, one devoted more particularly to the diagnosis, the other to the treatment of the more ambulatory cases of disease. The senior students are also assigned for a portion of the year in small sections to work in the Medical Clinic where they receive special instruction in taking and recording brief histories of the cases, making physical examinations, and writing prescriptions under the direction of the instructor in Clinical Medicine.

PHYSICAL DIAGNOSIS—A practical course in the methods of physical examination is conducted at the University Clinic during the Junior year. The course is a systematic one and the class is divided into small sections, thus permitting individual attention on the part of the instructors, and abundant practice by the student in the methods taught.

NEUROLOGY—In addition to the instruction in the anatomy of the nervous system which is a part of the regular anatomy course, special work on the gross structure of the brain is given in the Second year, as is also some special laboratory teaching in the pathology of the nervous system. The systematic instruction in the diseases of the nervous system is by a course of recitations from a text-book in the third term of Junior year. During the Senior year the instruction consists of clinical lectures and section work at the New Haven Hospital and the University Clinic. Here special attention is paid to the demonstration of methods employed in the diagnosis and treatment of diseases of the nervous system, including electro-diagnosis and electro-therapeutics.

PSYCHIATRY—A course of recitations on insanity is given during the first term of the Senior year. These are combined with and illustrated by a series of clinics at the State Hospital for the Insane.

PEDIATRICS—The special instruction in children's diseases is given in a course of recitations during the first term of Senior year, and in the children's clinic at the University Clinic. In the section work attention is first given to the demonstration of the development of the normal child and to special methods of examination, and then to the important subject of infant feeding and to the study and treatment of pathological cases.

DERMATOLOGY—The instruction in this subject is begun with a course of recitations and lectures during the latter part of the Junior year, and is continued during the Senior year at the University Clinic, where a weekly clinic throughout the year affords a good opportunity to become familiar with the clinical appearances and treatment of the various diseases of the skin.

SANITARY SCIENCE AND PUBLIC HYGIENE receive attention in a course of lectures which include a study of the air, soil, water supply, sewage disposal, house construction and ventilation, personal and school hygiene, sanitary administration, and vital statistics.

MEDICAL JURISPRUDENCE is treated in a course of lectures especially from the standpoint of the medical practitioner. The student is provided with a printed syllabus to guide his readings in connection with the lectures.

SURGERY

The instruction in surgery extends through the Junior and Senior years, and includes instruction in the recognized surgical specialties.

THE PRINCIPLES AND PRACTICE OF SURGERY--In the Junior year the class-room instruction consists of a systematic course of lectures on general surgery. Clinical instruction is also begun at this time with attendance on the surgical clinics and operations at the Hospital and at the University Clinic, where the Junior students also serve in sections as clerks and dressers.

In the Senior year, instruction in general surgery is continued in lectures on special topics during the second half year, but the major part of the instruction is clinical. At the University Clinic, the Seniors are assigned to the several surgical services in turn to act as clerks and assistants. In performing their duties as dressers and general assistants they have an excellent opportunity to become familiar with the practices of modern aseptic methods. Patients needing attention at their home are assigned to students, who are required as a part of their regular duties to visit them and to make full reports concerning them.

Clinics and ward classes are regularly held during the year at the New Haven Hospital. In them the students are shown selected cases during their whole stay in the Hospital, and are afforded an opportunity of studying the causes which necessitate operations, where such are necessary, of seeing the operations, and of observing the results of treatment.

OPERATIVE SURGERY--The instruction in this subject extends through the first half of the Senior year. The first term is devoted to recitations and lectures, all of the more important operations of general surgery being studied in detail. In the second half the class is divided into sections, which perform, under the guidance of the instructor, as many operations as can be conveniently executed on the cadaver. Some few selected operations will be performed by the instructor as demonstrations before the whole class.

BANDAGING—The art of applying bandages is taught during the third term of the Junior year in a practical course, which includes all the more useful methods.

ORTHOPEDIC SURGERY is taught in the Senior year by section work in the clinic and by lectures on the etiology, symptomatology, diagnosis, and prognosis of deformities. In the discussion of treatment, special attention is paid to mechano-therapy (massage and gymnastics), mechanical appliances (bandages, casts, etc.), and orthopedic apparatus, and to operative procedures.

GENITO-URINARY SURGERY—The special instruction in this subject is given in a course of recitations, with demonstrations of the instruments and appliances used in treatment. The clinical instruction is included in the work of the general surgical clinic.

OPHTHALMOLOGY—The instruction in this subject is given in the Senior year. During the first half-year it consists in a systematic course of lectures and a practical course in the methods of examining the eye, including the use of the ophthalmoscope and the determination of refraction and motility. During the remainder of the year, attendance is required on the eye clinic, in which the students have an opportunity to witness the various operations on the eye. They also serve as assistants, and thus acquire facility in diagnosis and experience in treatment. Each student is also required to make an examination of a number of typical cases, and to present reports of them before the class.

LARYNGOLOGY, OTOTOLOGY AND RHINOLOGY—The didactic instruction in these subjects is given in a course of lectures and recitations during the first and second terms of Senior year, and by section work in the clinic.

The section work begins with a manikin course on the technique of examinations of the ear, nose, and throat, after which the students receive individual instruction in the examination of patients and the simpler routine methods of treatment. In their work in the clinic they gain facility and experience in these procedures and have the opportunity to see all the usual operations of these specialties.

REQUIREMENTS FOR ADVANCEMENT

Students are advanced from one class to the next by a vote of the Faculty, based on their standing in the examinations, and on the record of their work for the year.

The annual examinations are held in June in the studies of each year, and are open to students of the School and to candidates for admission to advanced standing. The subjects of the examinations of each class are fully shown

in the statement of the curriculum. Examinations are also held just before the opening of the School year in September, in the studies of the First, Second, and Junior years. These autumn examinations are open only to students conditioned in June, and to candidates for admission to advanced standing. They are optional, and a fee is required for admission to them.

REQUIREMENTS FOR A DEGREE

To be eligible for the degree of Doctor of Medicine, every candidate must fulfill the following conditions :

I. He must be at least twenty-one years of age, and must sustain a good reputation for moral character.

II. He must have pursued medical studies for four years, and have been a student in this School for at least two years. If he has not pursued the four years' curriculum in this School, he must have taken such studies in some other recognized institution as are equivalent to the remainder of the full term of study.

III. He must have passed, to the satisfaction of the Faculty, the prescribed examinations of the course, and must have presented a satisfactory thesis on some subject relating to medicine. The thesis should be presented to the Dean on the third Wednesday before Commencement.

HONORS AND PRIZES

The degree of Doctor of Medicine *magna cum laude* will be conferred on students whose examinations and school work show distinguished merit.

The degree of Doctor of Medicine *cum laude* will be conferred on students whose examinations and school work show unusual merit.

The CAMPBELL GOLD MEDAL is a memorial of Professor James Campbell, M.D., and is awarded to that member of the graduating class who secures the highest rank in the examinations of the course.

The **KEESE PRIZE**—The income of the fund for the Keese Prize, a memorial of Hobart Keese, M.D., of the class of 1855, which amounts to about \$145 annually, is awarded by the Faculty to that member of the graduating class who presents the best thesis.

Any of these honors may be withheld at the option of the Faculty.

FEES AND EXPENSES

FIRST YEAR :

Matriculation (paid but once),	\$ 5.00
Tuition,	150.00
Practical Anatomy (including instruction and material),	10.00

SECOND YEAR :

Tuition,	\$150.00
Practical Anatomy (including instruction and material),	5.00

JUNIOR YEAR :

Tuition,	\$150.00
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SENIOR YEAR :

Tuition,	\$150.00
Graduation,	10.00

A rental fee of \$3.00 for the use of a microscope is charged in the laboratory courses of the First and Second years. Students may, however, supply their own microscopes, in which case this fee is remitted. A fee of \$3.00 is also required for the out-patient obstetrical course of the Senior year.

Laboratory deposits are required as follows : First year, Chemical Laboratory, \$5.00 ; Histology Laboratory, \$1.00. Second year, Pathology Laboratory, \$2.00. Junior year, Clinical Laboratory, \$2.00. These deposits are to cover the cost of apparatus broken by the student, and any excess above such breakage will be returned at the end of the course.

These fees give entrance to all the instruction in the School, including not only the lectures and quizzes but the practical courses in all departments. The curriculum does not need to be supplemented by private quiz-classes.

The matriculation fee is payable to the Dean on admission to the School. The tuition fees are payable in three installments of \$50.00 each, which are due on October 15th, February 1st, and April 15th. Fees are payable to the University Treasurer on or before the dates specified. If not then paid they will bear interest from the dates when due, and must be paid to the Dean. The graduation fee is payable to the Dean three weeks before Commencement.

Students who do not pay in advance can continue their studies for the year by giving an endorsed note satisfactory to the Dean. No degrees can be conferred, nor any certificate of attendance of examination furnished, until all bills due the University are paid.

Students will be assisted in finding board and lodging by the Janitor of Medical Hall.* Prices range from four and a half dollars a week upwards.

INSTRUCTION TO GRADUATE AND SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE IN MEDICINE

The instruction here offered to graduates in medicine is intended to meet the requirements of two classes of students ; first, those who wish to review or supplement their knowledge of the regular studies of the medical curriculum, as taught in this School ; and second, those who wish to fit themselves in special lines of medical work.

Special students are not taken in the practical branches of medicine, but the general studies of the course are open to such persons as may desire to pursue them, if by their previous studies they are prepared to profit by the instruction. The charges for instruction will depend on the courses taken, and can be ascertained for any particular line of study by applying to the Dean.

For further information, address Professor HERBERT E. SMITH, Dean. Office hours from 9 to 11, Room No. 25, Medical School, 150 York St.

* Mr. William Blackwood, 148 York st.

DEPARTMENT OF LAW

(YALE LAW SCHOOL)

FACULTY

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

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Hon. EDWIN BAKER GAGER, B.A., *Professor of General Jurisprudence Mortgages, and the Law of Public Service Companies*

GEORGE DUTTON WATROUS, D.C.L., *Professor of Torts and Estates*

EDWARD VILETTE RAYNOLDS, D.C.L., *Professor of Comparative Law*

JOHN WURTS, M.A., M.L., *Lafayette S. Foster Professor of the English Common Law*

GEORGE EMERSON BEERS, M.A., M.L., *Assistant Professor of Elementary Law and Real Property*

ARTHUR LINCOLN CORBIN, B.A., LL.B., *Assistant Professor of Contracts*

GEORGE ZAHM, M.L., *Assistant Professor of Mercantile Law, Insurance and Suretyship*

ALBERT SPROULL WHEELER, M.A., *Instructor in Roman Law*

SPECIAL LECTURERS AND INSTRUCTORS

WILLIAM DAMERON GUTHERIE, M.A., *William L. Storrs Lecturer for 1904-5*

Hon. JOHN HOYT PERRY, LL.B., *Lecturer on Parliamentary Law*

THOMAS THACHER, LL.D., *Lecturer on Corporate Trusts*

JAMES MULFORD TOWNSEND, B.A., LL.B., *Lecturer on Transfer of Monetary Securities*

CYRUS LARUE MUNSON, LL.B., M.A., *Lecturer on General Legal Practice*

JAMES HENRY WEBB, S.B., LL.B., *Instructor in Criminal Procedure and Criminal Law*

JOHN KIMBERLY BEACH, B.A., LL.B., *Lecturer on Patents, Admiralty, Copyright and Trade Mark*

ROGER FOSTER, LL.B., M.A., *Lecturer on Federal Jurisprudence*

HON. EPAPHRODITUS PECK, LL.B., *Instructor in Court Procedure and Domestic Relations*

LEONARD MAYHEW DAGGETT, B.A., LL.B., *Instructor in Wills*

HOWARD HOYT KNAPP, B.A., LL.B., *Lecturer on Connecticut Practice*

ROBERT CLARK MORRIS, D.C.L., *Instructor in International Arbitration*

WILLIAM LLOYD KITCHEL, B.A., *Instructor in New York Practice*

EDWIN SUMNER HUNT, B.A., LL.B., *Instructor in Evidence, Quasi-Contracts and the Study of Cases*

JAMES EVERETT WHEELER, B.A., LL.B., *Lecturer on Looking up the Law*

JOHN WESLEY WETZEL, PH.B., *Instructor in Elocution*

ANDREW TEW BIERKAN, LL.B., *Instructor in Bookkeeping and Accounts*

JOHN WARREN EDGERTON, M.A., LL.B., *Secretary of the Faculty and Quiz Tutor*

PHILIP P. WELLS, PH.D., *Librarian*

BURTON PARKER TWICHELL, B.A., *Registrar*

MATT SAVAGE WALTON, B.A., *Assistant Registrar*

The Yale catalogue for 1824 contained a list of law students, although no announcement was made concerning the course of instruction. The catalogue for 1826 described the work of the Law School for the first time. While the work of the School has been carried on since 1824, no degrees were conferred until 1843.

The law course, from the founding of the School down to 1896, was one of two years. It was then extended to three years. The graduate course was established in 1876. The Yale Law School was the first law school in America or in England to establish a course leading to the degree of Doctor of Civil Law.

PURPOSE OF THE SCHOOL

It is the aim of the School to give to all students in its regular undergraduate course a thorough acquaintance with the general principles and rules of American law, so as to fit them for the Bar of any State ; to extend to those who do not propose to become practising lawyers but wish to pursue some particular branches of legal or political knowledge, such assistance as they may desire ; and to offer to advanced students further instruction in all that belongs to law as a science in its widest sense. Such instruction is given in an undergraduate course, a graduate course, and special courses.

ACADEMIC YEAR

The Academic year 1904-1905 began on Thursday, September 29, 1904, and will end on Wednesday, June 28, 1905.

There will be a recess from Wednesday, December 21, 1904, to Wednesday, January 11, 1905 ; and also from 1 P. M. Wednesday, April 19, 1905, to 8 A. M. Thursday, April 27, 1905.

Class exercises are suspended on Thanksgiving day (the recess begins Wednesday at 1 P. M. and ends Friday at 8 A. M.) and on Memorial day.

ATTENDANCE

All students, whether candidates for a degree or special students, are required to be in actual attendance. The work of the Law School cannot be done *in absentia*, nor satisfactorily carried by students who are irregular in their attendance upon the exercises of the Department. Academic standing will be forfeited and registration cancelled whenever a student becomes so irregular in his attendance as to satisfy the Faculty that it is unwise for him to continue his connection with the School.

SYSTEM OF INSTRUCTION

Law has been taught in the law schools of the United States by three distinct methods, by lectures, by text-book, and by cases. The Yale Law School does not adopt any one of these to the exclusion of the others. Experience has seemed to indicate that the best results are attained by a combination of the three methods. Law is, therefore, taught at this law school by text-books, by cases, and by lectures.

It is the conviction of the Faculty of Law, as well as the tradition of the University, that definite and permanent impressions concerning the principles and rules of legal science are best acquired by the study of standard text-books and the careful analysis of leading cases in private, followed by the examinations and explanations of the recitation room. Hence, although certain subjects are separately taught by lectures, either because the want of proper manuals, or the constant and rapid advance of learning, or economy of time, requires the adoption of that method, care is taken that the same topics as far as practicable shall be covered by recitation work in connection with the wider branches of the law to which they belong.

The recitation hours, however, are only in part devoted to questioning the student. While this is done with sufficient thoroughness to hold him up to his work of prepara-

tion, matters not fully treated in the text-book used or cases to be analyzed are presented at greater length; ample opportunity is also afforded for a free colloquial discussion of the subject of the lesson and for the presentation and solution of the difficulties which he may have encountered in his private study. In this manner each student is brought into personal communication with the instructor in reference to his daily work and, as far as practicable, receives the benefits which would be obtained if he were placed under the individual instruction of his professor.

INSTRUCTION IN OTHER DEPARTMENTS OF THE UNIVERSITY

The share of the School in the general advantages of the University gives the students many opportunities of broadening their views and acquiring knowledge in regard to matters outside of their strictly professional work. They may, on application to the Dean, obtain permission to be present at one or more of the special courses of instruction in the Department of Philosophy and the Arts, or the lectures on Anatomy, Insanity, etc., in the Medical School, on payment of a moderate fee.

UNDERGRADUATE COURSE

The Undergraduate course extends through three years of nine months each. It is mainly devoted to the practical side of legal education, but also gives an introduction to the general ideas and sources of Jurisprudence. In the opinion of the Faculty the progress of the student in the study of the law in its different branches is very much facilitated by a previous examination of those branches collectively and with reference to their relations to each other. The undergraduate course is arranged with a view of acquainting the student, at the beginning of

his study, with the nature and scope of the science of the law. The course is designed to give him a knowledge of the elementary principles and doctrines of the law exhibited in their logical and practical connections with each other. Thus prepared, he proceeds to study more in detail the several branches of the law.

The undergraduate course leads either to the degree of Bachelor of Laws, or to that of Bachelor of Civil Law. The same amount of work is required for each of these degrees. But applicants for the latter degree are required to take work in Roman Law not required for the former degree, and are permitted, upon consultation with the Faculty, to substitute certain studies in Political Science for certain of the law subjects.

A candidate for the degree of Bachelor of Laws must pass examinations upon all the required subjects of the first two years of the undergraduate course, and upon six hours of required and nine hours of elective work in the third year.

ADMISSION TO UNDERGRADUATE COURSE

ADMISSION TO FIRST-YEAR CLASS. Persons wishing to be admitted to the First-Year class of the Yale Law School as candidates for the degree of Bachelor of Laws, must be eighteen years of age, and present satisfactory testimonials of good moral character. The following persons will be admitted without examination upon producing their certificates :

1. Graduates from an approved college, or persons who have been enrolled as regular students in any such college and bring letters of honorable dismissal therefrom.
2. Graduates from a preparatory school approved by the Faculty.
3. Holders of a certificate issued by the Board of Regents of the University of the State of New York, showing that they have passed the Regents' Examination for Law Students, will be excused from any preliminary examinations so far as the English branches are concerned.

4. Holders of a certificate of examination of the College Entrance Examination Board of the Middle States and Maryland will be excused from any preliminary examination so far as such certificates cover the requirements here set forth.

All other applicants are required to pass a satisfactory examination in the following subjects :

1. *English Grammar*—Whitney's *Essentials of English Grammar*, or an equivalent.
2. *English Literature A.*

READING AND PRACTICE—A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books.

In preparation for this part of the requirement, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books set for this part of the examination will be :—

For the classes entering in 1905; Shakespeare's *Merchant of Venice* and *Julius Caesar* ; The Sir Roger de Coverley Papers in *The Spectator* ; Goldsmith's *Vicar of Wakefield* ; Coleridge's *Ancient Mariner* ; Scott's *Ivanhoe* ; Carlyle's *Essay on Burns* ; Tennyson's *Princess* ; Lowell's *Vision of Sir Launfal* ; George Eliot's *Silas Marner*.

For the classes entering in 1906, 1907 and 1908 : Shakespeare's *Macbeth* and *Merchant of Venice* ; The Sir Roger de Coverley Papers in *The Spectator* ; Irving's *Life of Goldsmith* ; Coleridge's *Ancient Mariner* ; Scott's *Ivanhoe* and *Lady of the Lake* ; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *Passing of Arthur* ; Lowell's *Vision of Sir Launfal* ; George Eliot's *Silas Marner*.

3. *English Literature B.*

STUDY AND PRACTICE—This part of the examination presupposes more careful study of each of the works named below. The examination will be upon subject-matter, form, and structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this part of the examination will be :—

In 1905 : Shakespeare's *Macbeth* ; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso* ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essays on Milton and Addison*.

In 1906, 1907, 1908 : Shakespeare's *Julius Caesar* ; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso* ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essay on Milton*, and *Life of Johnson*.

No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom, or divisions into paragraphs.

4. *History of England*—Montgomery's *Leading Facts of English History*, or an equivalent.

The student should have some acquaintance with the leading facts of English history from the landing of Julius Caesar (55 B. C.) down to the conclusion of Beaconsfield's ministry (1880). Special attention should be given to incidents from the Norman Conquest onwards. It is recommended that, so far as possible, the attention of the student be directed to the importance not only of the development of English government, but of English industry, and English literature. No adequate preparation can be made without practice in written statement. A mere reading acquaintance with the story of English history is not sufficient ; the student must be helped to reason with the subject and to base his reasoning on precise statements of the facts.

In view of the importance of a knowledge of the History of England as preparation for the study of English in Freshman year, no substitution can be allowed for this requirement.

5. *History of the United States*.

In *History of the United States*, a thorough acquaintance with some one of the more recent and accurate text-books (such as Johnston's *History of the United States*, revised edition, Montgomery's *Students' American History*, Channing's *Students' History of the United States* or McLaughlin's *History of the American Nation*) is expected.

The examination is not designed as a memory test merely, but will call for comparison, the exercise of judgment, and will be framed on the supposition that the student has done systematic note-book work and has an adequate knowledge of historical geography. For the purpose of arousing interest in the subject, it is strongly recommended that the student be urged to follow, under his teacher's guidance, a course of supplementary reading, so arranged as to cover the more important periods and events, and to call attention to social development, constitutional growth, and the principles of government.

6. *Latin Grammar and Composition*—The examination in Latin Grammar will be based on connected passages taken from the first and second books of Caesar's *Gallic War*. The exercises set for translation from English into Latin will involve the vocabulary and idiom of these two books.
7. *Caesar or Nepos*—The first four books of Caesar's *Gallic War*.
The first twelve of Nepos' *Lives*, as they appear in the Teubner edition, will be accepted as an equivalent for the third and fourth books of Caesar.
8. *Vergil or Cicero*—The first three books of the *Aeneid*.
Cicero's orations against Catiline and for Archias may be offered in place of Vergil.
9. *German or French*—Candidates will be required to translate at sight simple prose selections from German or French authors, and to have such a knowledge of grammar as will enable them to read the selections intelligently. This implies familiarity with the declensions of nouns, adjectives, and pronouns, with the conjugation of verbs, and with the syntax of cases.
10. Algebra.
11. Plane, Solid and Spherical Geometry—Phillips and Fisher's *Geometry*, or an equivalent.
12. Trigonometry and the use of Logarithms—So much, for example, as is contained in the first six chapters of Newcomb's *Larger Trigonometry*, and in Articles 77-78 of Chapter 8.
13. Botany or Chemistry or Physics—Gray's or Bergen's *Elements of Botany* is recommended. If Chemistry be offered, there will be required a knowledge of the common elements and their compounds, ability to write equations of simple reactions, and familiarity with the laws of chemical combination. If Physics be offered, a familiarity with the general phenomena of mechanics, sound, light, heat, magnetism and electricity will be expected.

Upon application to the Secretary of the Faculty at least four weeks before the date of each examination, equivalents may be offered for subjects nine to twelve inclusive.

In choosing equivalents, the following subjects are suggested: General History, Fiske's "Civil Government of the United States" together with the text of the United States Constitution, Physiology, Physical Geography, Geology, Italian, Spanish, Greek, Greek History, and

Roman History. In preparation for an examination in General History, Swinton's "Outlines of the World's History," or Fisher's "Brief History of the Nations," is recommended.

ADMISSION TO ADVANCED STANDING. Applicants for admission to the Second-Year class must be at least nineteen years of age, and those seeking admission to the Third-Year class must be at least twenty years of age. All applicants must meet the educational requirement specified for admission to the First-Year class. Persons who have pursued their studies for one or more years in a Law School belonging to the Association of American Law Schools, or in one which in the opinion of the Dean is of substantially equal standing, will be admitted upon certificate from such school without examination upon the subjects required for admission to the school from which they come, but will be required to pass examination in the other subjects required for admission to this School. Those who present certificates from a Law School above described showing that they have passed satisfactory examinations in law studies there pursued, may be excused from further examination in those studies, and will be classed accordingly; but students so admitted to the Second-Year or Third-Year class, who have not taken other topics previously pursued by such class, must pass examinations on such topics, at or before the close of the year, as the Dean may in each case decide.

Graduates of approved Law Schools and Attorneys at Law, who have been admitted to the Bar after such preliminary or final examinations as attest their proper preparation for the profession, may be allowed to enter without examination, and their class rating will be determined upon consideration of the studies they have pursued and the time they have given to legal study.

ADMISSION OF SPECIAL STUDENTS. Persons who do not desire to pursue the regular work of the School, and those whose preliminary education is not sufficiently extensive

to justify their admission as candidates for a degree but who satisfy the Dean that they are qualified to study certain branches of the law, may be admitted without examination as special students. Special studies may be taken by students who desire some acquaintance with law as a preparation for business pursuits, and also by those who, not intending to engage in active business, desire to acquire an enlarged acquaintance with our political and legal systems and the rules by which they are governed.

TIME AND PLACE OF EXAMINATIONS FOR ADMISSION. In 1905 examinations in New Haven for admission to the First-Year class will be held at Hendrie Hall on Thursday, June 29 (the day after Commencement), and on Monday, September 25 (three days before the opening of the Academic year). The examinations begin at 9 A. M. and those who desire to be examined must be in attendance at the opening.

Examinations outside New Haven for admission to Yale will be held on June 29, 1905, at the places mentioned on pages 73 and 74.

Applicants for admission to the First-Year class of the Law School (but not to higher classes) may arrange to take the examination at any of the places named. But those who propose to take the examination elsewhere than at New Haven should communicate their intention to the Secretary of the Law Faculty before June 1. A fee of five dollars (payable at the opening of the session) is charged for admission to examination outside of New Haven.

Examinations for admission to advanced standing will be held in the Law School Building on Monday, Tuesday, and Wednesday, September 25, 26, and 27, 1905. Persons intending to take the examination for advanced standing will find it necessary to be present on each of the days named.

ACADEMICAL AND LAW STUDIES COMBINED

Students in the Academical Department of Yale University may so combine their work in that Department with the work of the Law School as to obtain the degree in Arts and in Law in six years. Students in the Junior year in the Academical Department may elect three hours of class-room work in the Law School, and in their Senior year may elect eleven hours of such work, thus obtaining a credit of fourteen hours on the sixty hours required for the degree in Arts, and on the forty-five hours required for the degree in Law. Students who obtain this credit while in the Academical Department are enabled to complete the Law School course in two additional years.

MASTER OF ARTS DEGREE

Bachelors of Arts of Yale College, and Bachelors of Arts of other colleges whose course of study is equivalent to that of Yale College, may, while pursuing their Law School studies, obtain the degree of Master of Arts of Yale University. Students of the Law School may, on paying the regular fees to the Graduate School for the courses taken, take courses in the Graduate School which do not count for the degree in Law and may have these courses count towards the attainment of the M.A. degree.

PROGRAMME OF UNDERGRADUATE INSTRUCTION

Hours run through the year when not otherwise stated.

FIRST YEAR.

Professor BALDWIN :—

American Law. 8 lectures in 1st half-year.

The course gives an outline sketch of the sources, divisions, and character of the law of the States and the United States, both substantive and adjective.

Professor WURTS :—

Elementary Law. 3 hrs. a week to end of calendar year.

The course is designed to introduce the student to underlying principles and to preparation for their application.

Robinson's *Elementary Law*, and Lectures.

Assistant Professor CORBIN :—

Agency. 2 hrs. a week in 2d half-year.

The course treats of law of principal and agent, and master and servant, their mutual rights and liabilities, and those in favor of and against third persons, in contract and in tort.

Huffcut's *Agency*, and Lectures.

Professor PRENTICE :—

Common Law Pleading. 1 hr. a week.

The course considers theory and principles of the common law system of pleading as it now exists, and attempts to bring practical application of these principles within comprehension of the student.

Heard on *Civil Pleading*, and Lectures.

Assistant Professor CORBIN :—

Contracts. 4 hrs. a week.

The course treats of the elements required for the formation of a valid contract, of fraud, mistake, duress, and undue influence, the interpretation and discharge of contracts, the Statute of Frauds, and *quasi* contracts.

Clark on *Contracts*, and Hopkins' *Cases on Contracts*.

Assistant Professor BEERS and Mr. WEBB:—

Criminal Law.

1 hr. a week.

(a) To end of calendar year the course is under the direction of Assistant Professor Beers and is devoted to a study of the elementary principles of Criminal Law.

Robinson's *Elementary Law*.

(b) From the end of calendar year the course is under the direction of Mr. Webb. The common law felonies and misdemeanors are considered, as well as the general principles governing statutory offenses.

Kenny's *Outlines of Criminal Law, Webb's Edition*. Clark's *Criminal Law* will be used in 1904-1905.

Judge PECK :—

Domestic Relations and the Law of Persons.

1 hr. a week.

The course considers marriage and divorce, husband and wife, infancy, parent and child, guardian and ward, employer and employee, persons under the disabilities of insanity, alienage, etc.

Lectures and Cases.

Professor WURTS :—

Evidence.

2 hrs. a week in 1st half-year.

An elementary course in which the student is required to memorize the principal rules and their exceptions governing production and admissibility of evidence.

Reynold's *Theory of Evidence*.

Assistant Professor ZAHM :—

Personal Property.

2 hrs. a week in 2d half-year.

The course aims to give the student a general survey of the law relating to personal property, corporeal and incorporeal. The principles relating to the mode of acquiring rights in such property, the nature, classification and extent of such rights with reference to the owner thereof and third persons, and the disposition of such rights are considered at length.

Lectures.

Professor WURTS:—

Real Property. (Subject commenced.)

2 hrs. a week from beginning of calendar year.

The course covers the entire field of estates and titles except Title by Private Grant (see Titles and Conveyancing) and Title by Devise (see Wills).

Tiedeman on *Real Property* will be used after 1904-1905. Washburn on *Real Property*, vol. 1, will be used in 1904-1905.

Professor WATROUS:—

Torts.

2 hrs. a week.

The course includes private wrongs (other than those which consist of breaches of contract), liability for tort and remedies therefor, and specific torts.

Cooley on *Torts* and Chase's *Cases on Torts*.

THE FOLLOWING COURSES ARE OPTIONAL:

Mr. BIERKAN:—

Commercial Accounts.

1 hr. a week.

The course explains systems of accounts used in commercial establishments and considers accounts as evidence in court and accounts from the standpoint of the counselor.

Mr. J. E. WHEELER:—

Looking up the Law.

5 lectures in 1st half-year.

The student is shown how to find legal authorities. The use of text-books and decisions, and the proper method of analysis and classification of statements of fact, are explained.

Mr. WETZEL:—

Elocution.

1 hr. a week.

Especial attention is given to vocal training. The student is expected to acquire a correct and refined pronunciation of English, and an absolutely distinct and natural utterance.

Cumnock's *Choice Readings*.

Mr. HUNT :—

Study of Cases. 1 hr. a week for 2d half-year.

The course considers headnotes and digests, weight to be given cases, dicta and text-books as authorities; modes of criticizing a case, and the writing of briefs.

Wambaugh on *The Study of Cases*.

Mr. WELLS :—

Use of the Library. 1 hr. a week in 1st half-year.

The course explains different kinds of law books, abbreviation and citation, use of unofficial series of reports, methods of searching for authorities, use of bibliographies and printed guides to legal literature.

Lectures and Practical Exercises.

SECOND YEAR.

Professor BALDWIN :—

American Constitutional Law. 2 hrs. a week.

The course considers the foundations of constitutional law laid in colonial times; the general nature of constitutional government; and its development both in the States and the United States.

Cooley's *Principles of Constitutional Law*, the *Yale Cases on Constitutional Law*, and Lectures.

Assistant Professor ZAHM :—

Bailments and Carriers. 2 hrs. a week 2d half-year.

A study of the different classifications of bailments, and of the rights, duties and liabilities of the parties to the various transactions, both *inter se* and as to third persons.

Hale on *Bailments and Carriers*, and *Selected Cases*.

Judge PECK :—

Civil Procedure. 1 hr. a week.

The course considers fundamental principles of procedure, constitution and powers of courts, jurisdiction, venue, institution and conduct of actions, trial and argument of causes, the jury, verdicts, judgments, proceedings in error, etc.

Lectures and Moot Courts.

Professor WOOLSEY :—

International Law. 2 hrs. a week in 1st half-year.

Exposition of the rules which govern the relations of states in peace and in war.

Lectures.

Professor ROGERS :—

Private Corporations. 2 hrs. a week.

This course considers the manner of creating, managing and dissolving corporations, the rights and duties of officers, directors and stockholders, the rights and remedies of creditors, etc.

Marshall on *Private Corporations*, and the *Yale Cases on Private Corporations*.

Assistant Professor ZAHM :—

Promissory Notes and Bills of Exchange.

2 hrs. a week 1st half-year.

A consideration of the formal and essential requirements of negotiable instruments, their acceptance, indorsement, transfer, presentment and notice of dishonor, and the nature of the liability of the respective parties thereto.

Norton on *Bills and Notes*, 3d edition, Selected Cases and Lectures.

Professor WURTS :—

Real Property. 2 hrs. a week.

A continuation of the first year course on the same subject. Tiedeman on *Real Property* will be used after 1905-1906. Washburn on *Real Property* will be used in 1904-1905 and 1905-1906.

Assistant Professor BEERS —

Titles and Conveyancing. 1 hr. a week.

A course on private grant, including execution of deeds, capacity to convey, covenants, registration, examination of title and abstract of title, with practical exercises in conveyancing.

Tiedeman on *Real Property*, Lectures and practical exercises. The text named will be used after 1905-1906. Washburn on *Real Property* will be used in 1904-1905 and 1905-1906.

Professor PRENTICE :—***Code Pleading.***

1 hr. a week.

The course gives an intelligent understanding of those distinctive features of code pleading which are common to the several jurisdictions in this country where the code system has been adopted.

Bryant on *Code Pleading*.

Professor ROGERS :—***Equity Jurisprudence.***

2 hrs. a week.

The course gives the student a knowledge of the development and present condition of equity jurisprudence, includes a careful study of equitable titles, equitable rights, and equitable remedies.

Bispham on the *Principles of Equity*.

Mr. HUNT :—***Evidence.* (Subject continued.)**

2 hrs. a week in 2d half-year.

The student is required to apply the principles of evidence to facts and situations which might arise in the course of trial. The work is intended to be thoroughly practical.

McKelvey on *Evidence*.

THE FOLLOWING COURSES ARE OPTIONAL :**Assistant Professor BEERS :—*****Attachments.***

8 lectures in 2d half-year.

The course covers attachments in the various States, exemptions, garnishment, procedure, and the rights and liabilities arising out of attachments.

Professor WURTS :—***Ejectments.***

10 lectures in 1st half-year.

A course of practical instruction in the trial of land titles. The history of the action is followed by a discussion of the pleadings, evidence, verdict, judgment, and final process. Lectures and Cases.

Mr. WETZEL :—

Elocution, Vocal and Gestural Expression. 1 hr. a week.

The course includes the vocal interpretation of Julius Caesar. Students are expected to acquire the ability to interpret thought readily through the harmonious blending of the elements of expression.

Cumnock's *Choice Readings*.

Mr. WEBB :—

Medical Jurisprudence. 1 hr. a week in 1st half-year.

The course considers the symptoms produced by poisons, and explains the methods of their determination. Insanity and the rules of law applicable thereto, are considered, and expert and opinion testimony.

Lectures.

Professor WATROUS :—

Principles of Contract. 2 hrs. a week in 2d half-year.

The course is designed to furnish a review to those who have studied the subject in detail.

Benjamin on *Principles of Contract*, and Selected Cases.

THIRD YEAR.

The courses in Municipal Corporations, Practice in United States Courts, Sales, and Wills are required of all students not specially excused. The student will elect at least nine additional year hours.

Mr. BEACH :—

Admiralty, Copyrights, Patents and Trademarks. 1 hr. a week.

The course covers history and principles of admiralty, copyright, patent and trademark law. About half the course is devoted to patent law.

Lectures and Cases.

Professor WOOLSEY :—

American Diplomatic History.

1 hr. a week.

The course considers Diplomacy of the Revolution, U. S. Foreign Relations, from 1793 to 1815, Boundary questions, Fishery questions, Civil War diplomacy, relations with Cuba and the War with Spain.

Lectures.

Assistant Professor BEERS :—

Bankruptcy.

10 lectures in 2d half-year.

A study of the history of bankruptcy legislation in England and in this country, of the text of the Federal bankruptcy law, and the orders and forms adopted by the Supreme Court.

The Bankruptcy Law with General Orders and Forms.

Judge PECK :—

Civil Procedure.

1 hr. a week.

The course deals with the actual conduct of cases in code states, from the standpoint of helpful suggestions rather than of theoretical law. The conduct of actions in Yale Moot Court is required.

Lectures and Moot Courts.

Mr. WEBB :—

Criminal Procedure.

1 hr. a week.

The course treats of the principles especially applicable to the trial of a criminal cause, including the practice, pleading and evidence. The essential averments of the accusation are especially considered.

Clark's Criminal Procedure.

Professor ROGERS :—

Equity Jurisprudence.

1 hr. a week.

The course supplements the course on the same subject in the second year. It is based on a study of leading cases illustrating the maxims and most important doctrines of equity.

Hutchins and Bunker's Cases on Equity Jurisprudence.

Professor WATROUS :—

Estates. 1 hr. a week for 10 weeks in 2d half-year.

The course is chiefly devoted to the consideration of the history and extent of the probate jurisdiction, and the practice in probate courts.

Lectures.

Mr. HUNT :—

Evidence. (Subject concluded.) 1 hr. a week.

The aim of this course is not only to reach a clear understanding of the principles, but also to learn something of their historical development and the reason for their existence.

Thayer's *Cases on Evidence*.

Assistant Professor ZAHM :—

Extraordinary Legal Remedies. 1 hr. a week.

An examination and discussion of the common law principles, together with their statutory substitutes, composing the law of habeas corpus, mandamus, quo warranto, prohibition, certiorari and procedendo.

Lectures and Cases.

Assistant Professor ZAHM :—

Insurance. 1 hr. a week.

A thorough, comprehensive and critical study of the principles of fire, life, marine, accident, guaranty, credit and liability insurance law.

Vance on *Insurance* will be used after 1904-1905. Richards on *Insurance* is used in 1904-1905.

Professor GAGER :—

Jurisprudence. 1 hr. a week.

In this course law is studied historically as a development, and philosophically as a formal science.

Maine's *Ancient Law* and Holland's *Jurisprudence*.

Professor GAGER :—

Mortgages. 1 hr. a week.

The course considers the history of mortgages, and gives a practical working knowledge of the fundamental principles of the law of mortgages in force in the United States.

Kirchwey's *Cases on Mortgages*.

Professor ROGERS :—

Municipal Corporations.

2 hrs. a week.

The course considers the creation and dissolution of municipal corporations, municipal charters and ordinances, municipal elections and officers, the liability of Municipal Corporations for contracts and torts, the control of the legislature over them, etc.

Dillon on *Municipal Corporations*.

Assistant Professor ZAHM :—

Partnership.

1 hr. a week.

An examination and thorough study of all of the principles connected with the partnership relation, including joint stock-companies and limited partnerships.

Lectures and Burdick's *Cases on the Law of Partnerships*.

Mr. KNAPP :—

Practice in Connecticut.

1 hr. a week in 2d half-year.

A study of the principles and rules relative to the bringing of actions and preparation for trial in Connecticut.

Lectures.

Assistant Professor BEERS :—

Practice Act of Connecticut.

12 lectures in 1st half-year.

A study of the history, theory and practical working of the Practice Act and the rules under it with reference to leading cases.

Lectures and *Connecticut Practice Act with Rules*.

Mr. KITCHEL :—

Practice in New York Courts.

1 hr. a week.

The course covers the several steps in a civil action from its inception to judgment, together with the various proceedings incidental thereto, and with especial emphasis upon pleading, under the New York Code.

Lectures and the *New York Code of Civil Procedure*.

Assistant Professor BEERS :—

Practice in Other States.

10 lectures in 2d half-year.

The course is intended to aid students from the various States in their private study of the Constitutions and Statutes.

Lectures.

Professor WURTS :—

Practice in the United States Courts.

2 hrs. a week in 2d half-year.

A course of lectures on pleading and practice in the Federal Courts, especially in equity. Illustrated by cases.

Professor BALDWIN :—

Railroad Law.

1 hr. a week.

The discussion is mainly confined to what is distinctive in Railroad Law, but also includes the application to railroad companies of the general rules of corporation law.

Lectures and Baldwin's *Cases on Railroad Law*.

Assistant Professor BEERS :—

Remedies.

1 hr. a week.

Covering the subject of remedies and remedial rights in the common law and equity systems briefly and under the Codes at length; embracing the essential elements of the cause of action, pleading, parties and procedure.

Pomeroy on *Remedies and Remedial Rights*.

Mr. WHEELER :—

Roman Law.

1 hr. a week.

The outlines of Roman Law in its developed form as well as the leading features of its historical growth.

Morey's *Outlines of Roman Law*.

Assistant Professor ZAHM :—

Sales of Personal Property.

2 hrs. a week.

A thorough study of the nature and formalities of the contract of bargain and sale, future sale and conditional sale, and of the rights, duties and liabilities of the respective parties to the contract.

Lectures and Burdick's *Cases on the Law of Sales*.

Professor WURTS :—

Taxation.

1 hr. a week in 2d half-year.

This course deals with the exercise of the power of taxation and its limitations, with the remedies of property owners and the rights and liabilities of property owners *inter se*.

Lectures.

Professor ROGERS :—***Trusts.***

2 hrs. a week.

The course treats of appointment, substitution, resignation and removal of trustees, relation of trustees to trust estates, powers, duties and obligations of trustees, rights and remedies of *cestui que trust* and extinguishment of trusts.

Ames' *Cases on Trusts*.

Mr. DAGGETT :—***Wills.***

2 hrs. a week in 1st half-year.

The course includes history, nature of power, testamentary capacity, undue influence, requirements of execution, extended study of leading principles and more frequent problems of construction, and exercises in written drafts of wills.

Gardner on *Wills and Selected Cases*.

Mr. MUNSON :—***Beginnings of Legal Practice.*** 7 lectures in 2d half-year.

Generally speaking, these lectures are intended to acquaint the novitiate with the practical side of his profession, and with that which is acquired only by actual experience at the bar.

Dr. THACHER :—***Corporate Trusts.***

5 lectures in 2d half-year.

Mr. WETZEL :—***Forensic Oratory.***

1 hr. a week.

Students are instructed in composition and delivery of forensic oratory. This course is open to those who have had the course in vocal culture of the first year.

Robinson's *Forensic Oratory*.

Dr. MORRIS :—***International Arbitration and Procedure.***

3 lectures.

Professor BALDWIN :—***Legal Ethics.***

5 lectures in 2d half-year.

Mr. FOSTER :—***Liberty of Contract.***

5 lectures in 2d half-year.

The course includes a discussion of the constitutionality of labor legislation or laws intended to better the condition of the manual working classes.

Judge PERRY :—

Parliamentary Law.

7 lectures in 1st half-year.

The course considers origin of parliamentary law and modern common law on the subject. It explains changes commonly made by special rules, and gives directions for the conduct of deliberative bodies.

Mr. TOWNSEND :—

Transfer of Monetary Securities.

5 lectures.

EXAMINATIONS

The rules relating to written examinations are as follows :

1. The members of the First-Year class, at the end of the first term, will be examined upon all subjects studied during the term. This examination is intended to test the student's progress and is not final upon the topics covered. If the result discloses a student's inability to satisfactorily carry the work of the School, his registration will be cancelled.

2. The members of all classes will be given final examinations at the time the study of a subject is concluded, provided the work is completed prior to the Easter recess. If concluded thereafter it is optional with the instructor to give the examination upon the completion of the work or postpone it to the end of the academic year.

3. Examination will include not only the prescribed subjects in the first and second years, and the elected subjects in the third and fourth years, but also such optional courses as the student may have pursued. Marks obtained in examinations on optional subjects will be considered in determining relative rank at the close of the year.

4. A member of the First-Year class cannot be advanced to the Second-Year class until he shall have removed all entrance conditions, if any ; satisfactorily passed examinations on subjects requiring at least eleven (11) hours of work per week ; attained at least a pass mark on a general average of all the required studies of the year ; and been deemed worthy of advancement by the Faculty.

5. A member of the Second-Year class cannot be advanced to the Third-Year class until he shall have removed all conditions on First-Year subjects, if any ; obtained credit for at least twenty-six (26) hours of required work ; and complied with the other provisions of Rule 4.

6. No student is admitted to an examination in a subject for which he did not regularly register.

7. Special examinations cannot be given except by vote of the Faculty and under special circumstances.

PRACTICE COURTS

The intention is that students shall acquire as thorough a knowledge of actual practice as can be derived in a law school. With this end in view the Yale Moot Court and the Supreme Court of the Yale Law School have been established.

The Yale Moot Court is presided over by the instructor in Court Procedure, who has himself had actual experience as a judge of a trial court. The court is provided with a full corps of officers, a clerk, assistant clerk, sheriff and the necessary deputies. It is divided into two departments, known as the First Department and the Second Department. The members of the Third-Year class constitute the bar of the First Department, and the members of the Second-Year class that of the Second Department.

The purpose is to give practical instruction in pleading and practice at law and in equity, both under the common law system and the "reformed" or "code" procedure. Pleading and practice in the Second Department is according to the common law; and in the First Department is under the New York Code of Civil Procedure in all civil cases assigned to students not resident in Connecticut, and under the Connecticut Practice Act and the Connecticut Rules of Court in all civil cases assigned to students resident in Connecticut. Any student may, however, be transferred from Connecticut to New York practice, or *vice versa*, upon application to the instructor in Court Procedure.

Equity cases are governed by the rules of equity practice in the United States courts.

Printed statements of facts are prepared and assigned upon which process is to be issued, pleadings drawn, and the case conducted to an issue. When there is a question of fact it is submitted to trial by jury, the jurors being summoned from the First-Year class. Questions of law are argued and disposed of upon the facts submitted.

Writs of error, or appeals, from the judgments of the Yale Moot Court may be taken to the Supreme Court of the Yale Law School, which is composed of some of the members of the Faculty of Law.

Students issue, serve and return the process, prepare and file the proper pleadings, conduct the trial (when it is necessary to have a trial) and make the legal argument upon the facts involved. When a judgment is obtained the successful party enters it upon the court records. Writs of error, executions, or other writs are prepared by the students and signed by the clerk of the court.

In this way the student is given practical experience in the commencement of suits, the preparation of pleadings, the argument of the law, the trial of the case, the entry of judgment, the taking out of execution and the appealing of the case to the court of last resort.

CONVEYANCING

A course in conveyancing has been established with the view of extending the practical instruction given in the Law School. The purpose of the course is not merely to give systematic instruction in the substantive law of the subject, but also to afford a thorough drill in the drafting of deeds, mortgages, wills, contracts and other instruments which the lawyer in actual practice is likely to be called upon to prepare. The work of the student is submitted to the instructor, and is reviewed and commented upon by him.

STUDENTS' ORGANIZATIONS

There are two flourishing debating societies—the Kent Club and the Wayland Club—which are conducted by the law students, and afford a good opportunity for practice in public speaking.

Class Quiz clubs also exist and hold their meetings in rooms provided for their use in the Law School. Those

formed in the first year are under the special direction of a competent instructor appointed by the Governing Board.

A Political Science Club has been formed by the students of the Law School. The organization is non-partisan and is addressed from time to time by men prominent in political affairs.

GRADUATE COURSE

The graduate course is designed to afford to the advanced student an opportunity to round out his legal acquirements and to investigate the philosophic principles of human law in a more comprehensive manner than is possible in the undergraduate course. The primary conceptions to which the student was introduced at the commencement of his studies are again taken up and developed in a scientific method, and examined in the light of various systems of practical jurisprudence now or heretofore prevailing.

Graduate instruction, besides continuing some of the lines of study pursued in the undergraduate course, comprehends many of a more scientific and philosophical character, including Comparative Jurisprudence, Legislation and Government, Legal History, Economics, Roman Law, Foreign European Codes, and Private International Law. The regular course of study for candidates for the degree of Master of Laws covers a period of one year, but students are at liberty to take a part of the course one year and part another year, being examined at the close of each year on the studies pursued and dividing the tuition fees in like proportion. Two years of study will generally be found necessary in order to complete the work for the degree of Doctor of Civil Law.

ADMISSION TO GRADUATE COURSE

The graduate course is open to graduates from any Law School having the degree of Bachelor of Laws (LL.B.), or Bachelor of Civil Law (B.C.L.), or Master of Laws (M.L. or LL.M.), provided they have spent not less than three years in all in the study of law. In computing that period one year of practice at the bar may be considered the equivalent of one year of study. Attorneys at law who have been actively engaged in practice at the bar for not less than five years, and who present a recommendation from one of the judges of the highest court of their State, may also be admitted to this course.

No entrance examination is required from those not intending to make Course 11 in Roman Law their major study.

All who propose to take Course 11 in Roman Law must pass a preliminary examination upon the outlines of Roman Law and History (unless they received their degree at a Law School where Roman Law constituted one of their studies and there passed a satisfactory examination upon it), and also in reading at sight in the Latin and either the French or German language. In the case of students from foreign and not English-speaking countries, a good knowledge of the English language may be accepted as an equivalent for that of French or German.

The examination for admission to the graduate course of those intending to make Roman Law their major study will be held on the second day after the University Commencement, beginning at 9 A. M., in the Law School Building.

GRADUATE COURSES OF INSTRUCTION

A graduate student must elect and satisfactorily complete at least twelve hours of class-room work. He must select a major course of study and such number of minor courses as may be approved by the Faculty. The major course must occupy at least two hours a week throughout the year. Several minor courses, on cognate subjects, may

be taken as together constituting a major course. The major and minor courses may be upon the same or different topics, in the six groups stated, but courses covering at least three hours a week, throughout the year, must be selected from one or more of Groups II, III, V and VI.

One intending to apply for the degree of Doctor of Civil Law must make Course 11 in Roman Law his major study.

Roman Law is made the principal topic for those who desire the degree of D.C.L. The Institutes of Justinian and a considerable part of the Commentaries of Gaius are read. Illustrative cases are studied from the Digest, including some as treated in Eckert's *Chrestomathie*, and Hess's *Achtzehn Rechtsfälle*. Roby's *Introduction to the Digest* is used and leading titles of the Digest, Code and Novels made the subject of investigation.

The lectures on Political and Social Science, Economics, etc., are given in connection with the graduate courses in the Philosophical Department of the University, and are attended by the graduate students of the Law School in common with the members of that Department.

Elections may be made by graduate students from the following topics and courses :

GROUP I

THE ORGANIZATION AND WORKING OF HUMAN SOCIETY

1. *Commercial Geography*. Professor EMERY, Professor GREGORY and Assistant Professor KELLER. Two hours a week.

2. *Medieval Institutions*. Professor GEORGE B. ADAMS. Two hours a week.

3. *Physical Geography in its relation to History*. Assistant Professor BARRELL.* One hour a week, second half of second term.

4. *Social Politics*. Professor FARNAM. Two hours a week.

5. *Sociology*. The Self-Perpetuation of Society ; Evolution of the Domestic Relations : Professor SUMNER. Two hours a week. Omitted 1903-1904.

6. *Systematic Sociology*. Professor SUMNER. Two hours a week.

* The Faculty reserves the right to withdraw this course if less than three students elect it.

† Undergraduate Law School course, open also to graduates.

GROUP II

GENERAL JURISPRUDENCE AND ANCIENT LAW

7. *General Jurisprudence* (Maine's Ancient Law, and Holland). Professor GAGER.† One hour a week.
8. *General Jurisprudence*. Advanced studies in particular topics: Professor GAGER.* One hour a week.
9. *Roman Law*. Outlines (Morey's Outlines or Hadley's Introduction). Mr. ALBERT S. WHEELER.† One hour a week.
10. *Roman Law*. Institutes and Pandects. Mr. ALBERT S. WHEELER.† One hour a week.
11. *Roman Law*. Sources. Mr. ALBERT S. WHEELER. Two to three hours a week.

GROUP III

COMPARATIVE JURISPRUDENCE AND GOVERNMENT

12. *Colonization*. Assistant Professor KELLER. Two hours a week.
13. *Conflict of Laws*. Professor BALDWIN.* (Wharton's Conflict of Laws.) One hour a week.
14. *Comparative Constitutional Law and Civil Government*. Professor RAYNOLDS. One hour a week.
15. *The French Codes*. Professor RAYNOLDS. Two hours a week.
16. *The German Imperial Code*.* Professor RAYNOLDS. One hour a week.
17. *The Spanish Codes, and Spanish legal institutions with special reference to our colonial dependencies*. Professor RAYNOLDS. One hour a week.

GROUP IV

AMERICAN AND ENGLISH CONSTITUTIONAL LAW AND HISTORY

18. *American Constitutional Law*. Professor BALDWIN.† One hour a week.
19. *American Constitutional History*. Professor CHARLES H. SMITH. One hour a week.
20. *The American Revolution and the Formation of the Union*. Professor BOURNE. Two hours a week.
21. *Constitutional questions incident to the Civil War*. Professor CHARLES H. SMITH. One hour a week.

22. *English Constitutional and Political History since 1760.* Professor ARTHUR M. WHEELER. Two hours a week.

23. *English History, political and constitutional, to 1485.* Professor ADAMS. Two hours a week.

24. *English History, political and constitutional, from 1485.* Assistant Professor RICHARDSON. Two hours a week.

GROUP V

AMERICAN JURISPRUDENCE AND LEGISLATION

PUBLIC LAW

25. *Municipal Corporations.* Professor ROGERS.† Two hours a week.

26. *Parliamentary Law and drafting of Statutes.* Judge PERRY.* One hour a week.

PRIVATE LAW

27. *Attorneys.* Assistant Professor BEERS. One hour a week.

28. *Admiralty Law, Patents, Copyrights and Trade Marks.* Mr. BEACH.† One hour a week.

29. *Bankruptcy.* Assistant Professor BEERS. Ten lectures in second term.

30. *Forest Administration and Law.* Mr. BOWERS. One hour, first half of second term.

31. *Insurance Law.* Assistant Professor ZAHM.† One hour a week.

32. *Medical Jurisprudence.* Mr. WEBB.† One hour a week during first term.

33. *Mining, Irrigation and Public Lands.* Mr. CORBIN. One hour a week.

34. *Partnership.* Assistant Professor ZAHM.† One hour a week.

35. *Private Corporations.* Professor ROGERS.† Two hours a week.

36. *Public Service Corporations.* Professor GAGER. One hour a week.

37. *Quasi Contracts (Keener).* Mr. HUNT. One hour a week.

38. *Railroad Law.* Professor BALDWIN.† One hour a week.

39. *Receivers.* Professor ROGERS. One hour a week.

40. *Remedies and Remedial Rights (Pomeroy).* Assistant Professor BEERS.† One hour a week.

41. *Suretyship.* Assistant Professor ZAHM. One hour a week.

42. *Trusts and Trustees.* Professor ROGERS.† Two hours a week.

GROUP VI

INTERNATIONAL LAW AND DIPLOMACY

43. *Diplomatic History of the United States.* Professor BOURNE. Two hours a week.
44. *Diplomatic Intercourse with Asiatic Nations.* Assistant Professor WILLIAMS. Two hours a week.
45. *History of Treaties, 1763-1815.* Professor ARTHUR M. WHEELER. One hour a week.
46. *Incidents in American Diplomacy.* Professor WOOLSEY.† One hour a week.
47. *International Law.* Professor WOOLSEY.* Two hours a week.

Any courses from the undergraduate Law School curriculum, other than those above named, may be substituted for any of the courses named on American Jurisprudence and Legislation (Group V), by permission of the Faculty. Graduates of other Law Schools are recommended to make substitutions of undergraduate in place of some of the strictly graduate courses, in respect to such topics as they may not previously have pursued, to the same extent or in the same manner as taught here.

Other courses in Political Science, Finance, History, etc., in the Department of Philosophy and the Arts, may also be substituted for some of those named in Groups I and IV, on consultation with the Faculty.

The courses above outlined are subject to change from time to time, and books should not be purchased until the work is entered upon.

THE GRADUATE THESIS

Each graduate student is required to prepare a thesis upon some topic, preferably one connected with his major subject, which topic must be approved by the Dean.

The subject of this thesis must be filed with the Secretary of the Faculty on or before the first Monday in December.

Each thesis must contain :

1. An introductory statement of the position to be maintained, or proposition to be contended for, and also a final résumé of results.
2. An analytical outline of its contents with reference to the pages of the thesis.
3. A bibliography of the works consulted, as well as an alphabetical list of the cases cited, giving their respective dates and a reference to the pages of the thesis whereon they are cited.
4. A statement as to the period for which the cases have been examined.

Cases must be cited by name and volume and year. The student is expected to exhaust the cases decided during the period covered by his thesis, including the latest accessible cases upon the subject.

The thesis submitted for the degree of Doctor of Civil Law is regarded as of especial importance and cannot be accepted unless it is of marked excellence, evinces original research, and amounts to a contribution to legal scholarship. While its acceptance depends more upon its subject matter than upon its literary form, it must exhibit creditable literary ability.

The thesis must be typewritten on linen sheets, 8½ by 11 inches in size. There must be double spaces between the typewritten lines, and a clear margin of two inches at the left, and a like margin of one and one-half inches at the top and bottom. A thesis cannot be accepted unless the typewriting is neatly and accurately done.

An original typewritten copy must be filed with the Secretary of the Faculty on or before April 30.

All accepted theses will be bound by the School and deposited in the Law Library.

EQUIPMENT

HENDRIE HALL—Hendrie Hall, the Law School building, faces the Green, near the College Campus. It was erected for the Law School's exclusive use and was completed in 1900. It contains ample rooms for the law library, and

has, together with the executive offices and professors' rooms, six large lecture halls, and reading, conversation, and consultation rooms for the use of the students. The building is within two blocks of the Court House of New Haven County, in which two terms of the Supreme Court of Errors of Connecticut are held annually; while the Superior Court and Court of Common Pleas (the principal civil and criminal courts of the State) are also in session there almost daily during each of the School terms, thus affording the students peculiar facilities for observing actual practice in court.

LAW LIBRARY—The Law Library embraces all the reports of Great Britain and America, with an extensive collection of text-books, and the leading legal periodicals: It contains about 21,700 volumes, and 1,400 pamphlets.

Students are not allowed to take the books from the building, but are encouraged to examine the books on the shelves for themselves, without the intervention of the librarian. The familiarity with the reports and authorities thus gained, the Faculty deem of great importance in accustoming the student to prepare his cases intelligently and thoroughly in his future practice.

The Library includes the Albert Sproull Wheeler Library of Roman Law, now containing twelve hundred volumes and being constantly increased as new works on Roman Law appear. These books constitute a separate collection, are in charge of the Law Librarian, and are accessible on request.

The Library is open daily, except Sundays, from 8 A. M. to 10 P. M. during the Academic year.

A permanent endowment for the support of the Library was established in 1873 by the Honorable James E. English, M.A.

PRIZES

Essays submitted in competition for a prize must be typewritten, signed by a fictitious name and handed in

under cover, which shall be plainly marked on the outside to indicate the prize intended. An essay must be accompanied by a sealed envelope containing the assumed name and the real name of the writer. The essays must be deposited with the Secretary of the Faculty on or before April 30. In no case will a prize be awarded if none of the competing essays is of sufficient merit.

The following prize is open to competition to any person who has been pursuing a regular course for a degree in any Department during the whole of the current College year :

The JOHN A. PORTER PRIZE, of the value of two hundred and fifty dollars, established by the Kingsley Trust Association in 1872, for the best English Essay on a prescribed subject. The essay submitted for this prize must be accompanied with an assignment of copyright, forms for which can be secured at the office of the Yale Alumni Weekly.

The following prizes are open to competition to law students only :

The JOSEPH PARKER PRIZE (established by the will of Miss Eliza T. Parker in 1898), of one hundred and twenty-five dollars, for the best thesis on a subject connected with Roman Law, presented by any member of the School at graduation from either the undergraduate or graduate course.

The TOWNSEND PRIZE (established by the Hon. James M. Townsend in 1874), of one hundred dollars, to that member of the Third-Year class who shall write and pronounce the best oration at the public anniversary exercises on graduation.

The MONTGOMERY PRIZE (established by Phelps Montgomery, A.B., LL.B., in 1904), of fifty dollars, to that member of the Third-Year class who receives the highest marks at his annual examination.

The JEWELL PRIZE (established by the Hon. Marshall Jewell, M.A., in 1871), of fifty dollars, to that member of

the Second-Year class who receives the highest marks at his annual examination.

The BETTS PRIZE (established by Frederic H. Betts, LL.D., in 1875), of fifty dollars, to that member of the First-Year class who receives the highest marks at his annual examination.

The MUNSON PRIZE (established by C. LaRue Munson, LL.B., M.A., in 1890), of fifty dollars, for the best thesis by a member of the Third-Year class.

The WAYLAND PRIZES (established by Professor Francis Wayland in 1890), one of fifty dollars, one of thirty dollars, and one of twenty dollars, to those three members of the Yale Kent Club who, at a public competitive debate, are pronounced first, second, and third in excellence as debaters.

HONORS

Honors are awarded in each class, at the end of the year, to those students who have maintained a high standing in all the studies of the year.

CERTIFICATES OF ATTENDANCE

A regular student who has been connected with the Department for a period not entitling him to graduate, or a special student who is not a candidate for a degree, may, on application to the Secretary of the Faculty, receive an official certificate, which states the time of his attendance and the subjects on which he has passed examination.

DEGREES

The law degrees are conferred at the Commencement of the University, which is held on the last Wednesday in June. On this occasion all candidates for degrees are required to present themselves in person.

Degrees are granted by the Corporation of Yale University to those persons who have completed the course

of law study, with the requirements prescribed, and been recommended by the Faculty of the Department.

No student may be a candidate for a degree on less than a full year of residence and study, or on less than a complete year's work.

Any student who has not complied with the requirements for a degree before the end of his Law School course may be recommended for his degree in a subsequent year when all his deficiencies are made up.

Candidates for the degree of BACHELOR OF LAWS must, to the satisfaction of the Faculty, complete courses amounting to fifteen hours per week for three years, and submit a satisfactory thesis.

Candidates for the degree of BACHELOR OF CIVIL LAW must, to the satisfaction of the Faculty, attain a like credit under the conditions specified on p. 492.

Candidates for the degree of MASTER OF LAWS must, in like manner, attain a credit of at least twelve hours per week for one year, and comply with the conditions specified on p. 492.

Candidates for the degree of DOCTOR OF CIVIL LAW are required to satisfy the Faculty that they possess high attainments in scholarship and that they have complied with the conditions specified on p. 493 and on p. 497.

Degrees are awarded, in cases of students of unusual merit, *cum laude*, *magna cum laude*, or *summa cum laude*.

EXPENSES

The annual fees for tuition and use of the University and Law libraries are one hundred and fifty dollars for all students studying for a degree. Of this amount, fifty dollars are payable at the beginning of the first term, and fifty dollars at the beginning, and again at the middle, of the second term. Bills for tuition will be made out and delivered to the students, or (*request to that effect being made*) mailed to the parent or guardian, three times a year, viz.,

at the beginning of each term or half term, at which time they are payable at the office of the Treasurer of the University in Woodbridge Hall. If not paid before the end of the month following the month in which they are issued, the student's registration will be cancelled and his name removed from all class lists. A student whose registration is cancelled is not entitled to attend recitations until his registration is restored, and this can be effected only upon the payment of his term bill together with an additional registration fee of five dollars.*

The tuition charged for special students will be on the basis charged students studying for a degree, but proportioned to the amount of instruction and supervision required.

An additional charge of five dollars is made for graduation and is included in the last bill of the third year.

The following table exhibits the scale of annual expenditures :

	Low	Average	Liberal
Tuition	\$150	\$150	\$150
Board, 36 weeks	125	175	250
Half room, heat and light	35	120	175
Washing	15	25	40
	<hr/> \$325	<hr/> \$470	<hr/> \$615

The student may expect to expend for text and case books in the first year about \$30.00; in the second year \$25.00, and in the third year from \$20.00 to \$40.00 according to the subjects elected. As the books used for purposes of instruction will be found, for the most part, essential in subsequent practice, no loss will be incurred in their purchase.

Board at cost can be obtained at the University Dining Hall by members of the Law School. Applications for seats should be addressed to the Superintendent of the Yale University Dining Hall.

* Students who entered the Law School prior to the year 1903-4 will be charged the tuition fees in force at the time of their admission.

The following dormitories, which are under University supervision, are open to law students: Pierson Hall, and East and West Divinity Halls. Students who desire to secure rooms in either of the dormitories named will find it necessary to make early application. Communications concerning rooms in Pierson Hall should be addressed to Professor Henry Parks Wright, Dean of Yale College, and communications concerning rooms in the Divinity Halls should be addressed to the Superintendent of the Yale Divinity Halls.

Kent Hall, though not under University supervision, is not far removed from Hendrie Hall, and is specially open to law students. Communications concerning rooms in this dormitory should be addressed to the Manager of Kent Hall.

Those who desire more detailed information concerning the Law School may address letters of inquiry to the Secretary of the Yale Law School.

SUMMER SCHOOL OF ARTS AND SCIENCES

FACULTY

ARTHUR TWINING HADLEY, LL.D., *President of the University*
E. HERSHEY SNEATH, PH.D., LL.D., *Director, and Professor of the
Theory and Practice of Education*

ARTHUR MARTIN WHEELER, LL.D., *Durfee Professor of History*
HENRY AUGUSTIN BEERS, M.A., *Professor of English Literature*
EDWARD PARMELEE MORRIS, M.A., L.H.D., *Professor of the Latin
Language and Literature*
REV. GEORGE BARKER STEVENS, PH.D., D.D., LL.D., *Dwight Pro-
fessor of Systematic Theology*
THOMAS DWIGHT GOODELL, PH.D., *Professor of Greek Language and
Literature*
REV. FRANK CHAMBERLIN PORTER, PH.D., D.D., *Winkley Professor
of Biblical Theology*
FREDERICK MORRIS WARREN, PH.D., L.H.D., *Street Professor of
Modern Languages*
REV. BENJAMIN WISNER BACON, LITT.D., D.D., LL.D., *Buckingham
Professor of New Testament Criticism and Interpretation*
EDWARD GAYLORD BOURNE, PH.D., *Professor of History*
CHARLTON MINER LEWIS, PH.D., *Emily Sanford Professor of English
Literature*
HARRY BURR FERRIS, M.D., *Hunt Professor of Anatomy*
CHARLES FOSTER KENT, PH.D., *Woolsey Professor of Biblical Literature*
HERBERT ERNEST GREGORY, PH.D., *Silliman Professor of Geology*
LAFAYETTE BENEDICT MENDEL, PH.D., *Professor of Physiological
Chemistry*
WILLIAM GILBERT ANDERSON, M.A., M.D., *Director of the Gymnasium*

WILLIAM BACON BAILEY, PH.D., *Assistant Professor of Political Economy*

CHARLES SEARS BALDWIN, PH.D., *Assistant Professor of Rhetoric*

PHILIP EMBURY BROWNING, PH.D., *Assistant Professor of Chemistry*

ALEXANDER WILLIAM EVANS, M.D., PH.D., *Assistant Professor of Botany*

HERBERT EDWIN HAWKES, PH.D., *Assistant Professor of Mathematics*

YANDELL HENDERSON, PH.D., *Assistant Professor of Physiology*

HARRY BENJAMIN JEPSON, B.A., MUS.B., *Assistant Professor of Applied Music, and University Organist*

CHARLES HUBBARD JUDD, PH.D., *Assistant Professor of Psychology, and in charge of the Psychological Laboratory*

ALBERT GALLOWAY KELLER, PH.D., *Assistant Professor in the Science of Society*

ANDREW KEOGH, M.A., *Librarian of the Linonian and Brothers Library, and Lecturer in Bibliography*

HENRY STANLEY KNIGHT, *Assistant Professor of Applied Music*

DAVID ALBERT KREIDER, PH.D., *Assistant Professor of Physics*

WILLIAM CROSBY MARSHALL, M.E., C.E., *Assistant Professor of Drawing and Descriptive Geometry*

ISIDOR TROOSTWYK, *Assistant Professor of Applied Music, and Instructor in Violin-playing*

HOLLON AUGUSTINE FARR, PH.D., *Tutor in German*

WILLIAM EDWIN HAESCHE, MUS.B., *Instructor in Instrumentation*

CLOYD NORTH MCALLISTER, PH.D., *Instructor in Psychology, and Lecturer in Experimental Pedagogy*

CHARLES RABOLD, *Instructor in Singing*

ROBERT KILBURN ROOT, PH.D., *Instructor in English*

DAVID STANLEY SMITH, B.A., MUS.B., *Instructor in the Theory of Music*

EDWIN BIDWELL WILSON, PH.D., *Instructor in Mathematics*

GEORGE HENRY LANGZETTEL, B.F.A., *Assistant in Drawing, and Clerk of the Art School*

GEORGE ALBERT THOMPSON, B.F.A., *Assistant in Painting*

HON. WILLIAM TORREY HARRIS, LL.D., *United States Commissioner of Education, and Lecturer on School Organization and Educational History*

HON. CHARLES DANIEL HINE, *Secretary of the State Board of Education, Connecticut, and Lecturer on School Legislation*

FRANK HERBERT BEEDE, B.A., *Superintendent of Public Schools, New Haven, Conn., and Lecturer on School Administration*

BENJAMIN JEPSON, *Superintendent of Music in New Haven Public Schools and Lecturer on Music in Public Schools*

MABEL HELEN ADAMS, *Private Secretary to the Director*

ERNEST FRANKLIN HILL, *Superintendent of the Divinity Halls*

GENERAL STATEMENT

The courses of the Summer School of Arts and Sciences of Yale University are specially designed to meet the needs of public and private school teachers of every grade; of teachers of normal schools and of school principals and superintendents. To this end provision has been made for instruction along academic and professional lines. A large number of carefully organized courses are offered to enable teachers to qualify themselves in the subjects which they are specially called upon to teach. In many of these courses methods receive special consideration. Another set of courses, including Psychology, Educational Psychology, History of Education, Educational Theory, Educational Classics, School Organization and Administration, etc., are intended to supplement the work of teachers, and are also specially designed to meet the wants of school principals and superintendents, and of teachers desirous of preparing themselves for the work of school organization and administration.

Although the courses of the Summer School are specially intended for teachers, all persons properly qualified may be admitted to them. An exceedingly valuable set of courses in Biblical and Theological subjects is offered, affording most excellent advantages to ministers and intelligent laymen. The attention, not only of teachers, but of others interested in Physical Education, Music and the Fine Arts, is called to the excellent opportunities offered along these lines by the Summer School.

SCHOOL TERM

The session of the Summer School of Arts and Sciences of 1905 will begin on Thursday, July 6, and close on Thursday, August 17.

ADMISSION

No formal examination will be required for admission. Candidates for admission will advise with instructors in charge of the courses which they desire to take to determine whether they are qualified to profitably pursue such courses.

REGISTRATION

Candidates for admission to the Summer School will register at the office of the Summer School, 135 Elm street, before enrollment in a class. Beginning with July 1st, the office will be open daily, except Saturdays, from 9 o'clock until 12.30 A. M., and from 2 o'clock until 4 P. M. Only registered students are admitted to courses.

TUITION FEES

The matriculation fee is \$20, which entitles the student to one course. An extra fee of \$5 is required for each additional course. The fee for courses in Physical Education, Music, and the Fine Arts is special, and is as follows: For courses in Physical Education, \$50; for courses in Pianoforte, Organ, Violin and Voice, \$50; for courses in Strict Composition, Harmony, Counterpoint,

and Instrumentation, \$30; for course in Music in Public Schools, \$10; and for course in the History of Music, \$5; for courses in the Fine Arts, \$30. An extra fee of \$10 will be charged for persons using the Physical and Chemical Laboratories. Reduction will only be allowed for withdrawal on account of illness. Claims for reduction must be presented before the close of the session. All tuition fees should be paid at the Treasurer's office in Woodbridge Hall immediately after registration. All students must present the Treasurer's receipt for tuition fee to their respective instructors before they may be enrolled.

MEETINGS OF CLASSES

Time-tables of lectures and recitations will be posted on the University bulletin-boards, and copies may be had by application at the office of the Summer School. Exercises in each course in the departments of the Natural Sciences, Language and Literature, History, Mathematics, Psychology and Pedagogy will be held daily except Saturdays. The schedule for the courses in Physical Education, Music, the Fine Arts, and Biblical and Theological Sciences will be slightly different, and will be announced in the special catalogue of the Summer School of Arts and Sciences. The place of meeting of each class will also be indicated on the schedule.

CERTIFICATES

Classes will be conducted in the same manner as similar classes in college are conducted. Regular attendance will be required and written exercises and examinations will be held to test the student's work. A certificate will be awarded to all who satisfactorily complete a course.

B.A. DEGREE

Students registered in the Academical Department of Yale University may take any of the following courses and have their work counted toward the B.A. Degree :

LANGUAGE AND LITERATURE

- | | | |
|----|---|--------------------------------|
| 1 | <i>American Literature,</i> | Professor H. A. BEERS. |
| 2 | <i>Aspects of our Drama,</i> | " " |
| 3 | <i>English Poets of the Nineteenth Century,</i> | Professor C. M. LEWIS. |
| 4 | <i>Shakespeare,</i> | " " |
| 5 | <i>Chaucer and his Century,</i> | Dr. R. K. ROOT. |
| 6 | <i>Theme-Writing,</i> | Asst. Professor C. S. BALDWIN. |
| 7 | <i>Intermediate German,</i> | Dr. H. A. FARR. |
| 8 | <i>Virgil,</i> | Professor E. P. MORRIS. |
| 9 | <i>Sophocles,</i> | Professor T. D. GOODELL. |
| 10 | <i>Introduction to Biblical Literature and History,</i> | Professor C. F. KENT. |
| 11 | <i>The Work and Teachings of the Hebrew Prophets,</i> | Professor C. F. KENT. |

NATURAL SCIENCES

- | | | |
|---|---|---------------------------------|
| 1 | <i>Physics, two courses,</i> | Asst. Professor D. A. KREIDER. |
| 2 | <i>Inorganic Chemistry, Experimental and Descriptive,</i>
two courses, | Asst. Professor P. E. BROWNING. |
| 3 | <i>Geology,</i> | Professor H. E. GREGORY. |

MATHEMATICS

- | | | |
|---|---------------------------------------|---------------------------------|
| 1 | <i>Advanced Algebra.</i> | Asst. Professor H. E. HAWKES. |
| 2 | <i>Principles of Geometry,</i> | " " |
| 3 | <i>Trigonometry,</i> | Dr. E. B. WILSON. |
| 4 | <i>Solid Geometry</i> | " " |
| 5 | <i>Elementary Mechanical Drawing,</i> | Asst. Professor W. C. MARSHALL. |
| 6 | <i>Descriptive Geometry,</i> | " " |
| 7 | <i>Machine Drawing,</i> | " " |

HISTORY

- | | | |
|---|--|--------------------------|
| 1 | <i>History of England from the Accession of the Tudors to the
Overthrow of the Monarchy,</i> | Professor A. M. WHEELER. |
| 2 | <i>Europe and the French Revolution, 1789-1799,</i> | Professor A. M. WHEELER. |
| 3 | <i>Introduction to the Study and Teaching of History,</i> | Professor E. G. BOURNE. |
| 4 | <i>Teacher's Course in American History, 1492-1900,</i> | Professor E. G. BOURNE. |

PSYCHOLOGY AND PEDAGOGY

- | | | |
|---|--------------------------------|-----------------------------|
| 1 | <i>Elementary Psychology,</i> | Asst. Professor C. H. JUDD. |
| 2 | <i>Educational Psychology,</i> | " " |
| 3 | <i>Educational Theory,</i> | Professor E. H. SNEATH. |

STATE TEACHER'S CERTIFICATE

The certificate of the Yale Summer School of Arts and Sciences will be accepted for the Connecticut State Certificate in 1905 as far as the subjects of examination in the State examination and the Summer School examination coincide.

LIBRARIES, LABORATORIES, MUSEUM, ETC.

Members of the Summer School of Arts and Sciences will have the usual privileges of the University and the Linonian and Brothers Libraries; the Sloane, Kent, and Psychological Laboratories; the Art and Music School Buildings with their equipment; the Gymnasium; the Peabody Museum of Natural History; and the Botanical Gardens, subject to the rules which prevail in regard to each.

GENERAL LECTURE COURSE

A general course of lectures on subjects relating to Science, Literature, Art, Politics, and Education will be given by persons distinguished in these departments. These lectures are free to members of the Summer School.

CONCERTS

Mr. Harry Benjamin Jepson, Assistant Professor of Applied Music and University Organist, will give a series of organ recitals during the school session. He will be assisted by Mr. Isidor Troostwyk, Assistant Professor of Applied Music and Instructor in Violin-playing, and Mr. Charles Rabold, Instructor in Singing, Yale University. These concerts will be given in Woolsey Hall, Monday afternoons, at 4.30. Admission free to all members of the Summer School.

BOARD AND LODGING

Persons attending the Summer School can obtain very reasonable rates for board and lodging.

East and West Divinity Halls, containing one hundred suites of rooms, each suite consisting of a study and single bed-room, will be used to accommodate students of the Summer School. The rooms of these Halls are furnished with reference to student life. All bedding is provided by the School. There is no extra charge for care of room, or for water, light or laundry. (This does not include personal laundry.) There are bath-rooms, shower and tub, on every floor except the ground floor. The charge for each suite is \$2.25 per week. There are a few rooms that will accommodate two persons. Price, \$4 per week.

East and West Divinity Halls are fine brick and stone structures, and are centrally located at the corner of College and Elm streets, diagonally across from the historic New Haven Green. They are very conveniently situated with reference to all lecture and recitation rooms, libraries, laboratories, museum, gymnasium, the Art and Music Schools, the offices of the Summer School and of the Treasurer of the University, also the post-office (Yale Station), the Y. M. C. A. Building, Kent Hall, and numerous boarding houses. The buildings will be under the careful supervision of Mr. Ernest Franklin Hill, permanent superintendent of the Divinity buildings. A matron will also be in constant attendance. East Divinity Hall will be reserved for women, and West Divinity Hall for men.

An excellent plan for persons attending the Summer School is to take a suite of rooms in one of the Divinity Halls (\$2.25) and board at some boarding house near by,—board varying in price from \$3 to \$7 per week. Many of these boarding houses are only three to five minutes walk from the Divinity Halls. A long list of boarding and lodging houses will be published in the special catalogue of the School. Arrangements can be made for board and lodging at an expense varying from \$5 to \$8 per week.

EXPENSES

The total expense incurred by any one attending the Summer School and pursuing courses in the Natural Sciences, Language and Literature, History, Mathematics, Psychology and Pedagogy, and Biblical and Theological Science need not exceed \$60. This includes the fee for instruction. It does not include railroad fare, for which it is expected reduced rates can be secured.

COURSES OF INSTRUCTION

The following courses of instruction for the session of 1905 will be given :

NATURAL SCIENCES

Assistant Professor KREIDER :—

- 1 *Physics*, General Course.
- 2 *Physics*, Practical, Experimental Course.

Assistant Professor BROWNING :—

- 3 *Inorganic Chemistry*, Experimental and Descriptive.
- 4 *Inorganic Chemistry*, Experimental and Descriptive.

Professor GREGORY :—

- 5 *Geology*.
- 6 *Physiography*.

Professors KELLER and GREGORY :—

- 7 *Commercial Geography*.

Assistant Professor EVANS :—

- 8 *Botany*.

Professors MENDEL and HENDERSON :—

- 9 *General Physiology and the Physiology of Nutrition*.

Professor FERRIS :—

- 10 *Anatomy*.

LANGUAGE AND LITERATURE

Professor BEERS :—

- 11 *American Literature*.
- 12 *Aspects of our Drama*.

Professor LEWIS :—

- 13 *English Poets of the Nineteenth Century*.
- 14 *Shakespeare*.

Dr. ROOT :—

- 15 *Chaucer and his Century*.

Assistant Professor BALDWIN :—

- 16 *Rhetoric, Theme-Writing.*
- 17 *Rhetoric, Theme-Reading.*

Professor WARREN :—

- 18 *Intermediate French.*

Dr. FARR :—

- 19 *Intermediate German.*

Professor MORRIS :—

- 20 *Latin Grammar.*
- 21 *Vergil.*

Professor GOODELL :—

- 22 *Elementary Greek.*
- 23 *Sophocles.*

Professor KENT :—

- 24 *Introduction to Biblical Literature and History.*

HISTORY

Professor WHEELER :—

- 25 *History of England from the Accession of the Tudors to the Overthrow of the Monarchy.*
- 26 *Europe and the French Revolution. 1789-1799.*

Professor BOURNE :—

- 27 *Introduction to the Study and Teaching of History.*
- 28 *Teacher's Course in American History. 1492-1900.*

MATHEMATICS

Assistant Professor HAWKES :—

- 29 *Advanced Algebra.*
- 30 *Principles of Geometry.*

Dr. WILSON :—

- 31 *Trigonometry.*
- 32 *Solid Geometry.*

MECHANICAL DRAWING

Assistant Professor MARSHALL :—

- 33 *Elementary Mechanical Drawing.*
- 34 *Descriptive Geometry.*
- 35 *Machine Drawing.*

PSYCHOLOGY AND PEDAGOGY

Assistant Professor JUDD :—

- 36 *Elementary Psychology.*
- 37 *Educational Psychology.*
- 38 *Psychological Problems.*

Dr. McALLISTER :—

- 39 *Experimental Pedagogy.*

Professor SNEATH :—

40 *Educational Theory.*

U. S. Commissioner of Education W. T. HARRIS :—

41 *School Organization and Educational History.*

Secretary of Conn. State Board of Education C. D. HINE :—

42 *School Legislation.*

Superintendent of the New Haven Public Schools F. H. BREDE :—

43 *School Administration.*

PHYSICAL EDUCATION

Dr. W. G. ANDERSON and Staff :—

JUNIOR CLASS

- 44 *Anatomy.*
- 45 *Physiology.*
- 46 *Hygiene.*
- 47 *Psychology.*
- 48 *Swedish Theory.*
- 49 *German Theory.*
- 50 *Gymnastics (American, Swedish and German).*
- 51 *Games.*
- 52 *Athletics.*
- 53 *Military Tactics.*

SENIOR CLASS

- 54 *Swedish Theory.*
- 55 *General and Applied Anatomy.*
- 56 *General and Experimental Physiology.*
- 57 *General, Pedagogical and Experimental Psychology.*
- 58 *Physical Diagnosis.*
- 59 *Prescription of Exercises.*
- 60 *History of Education.*
- 61 *Gymnastics (Swedish, German and American).*
- 62 *Artistic Gymnastics.*
- 63 *Advanced Light Work.*
- 64 *Dancing.*
- 65 *Teaching.*
- 66 *Voice Training.*
- 67 *Athletics.*

GENERAL WORK

- 68 *Statistics and the Use of Figures.*
- 69 *Anthropometry.*
- 70 *College Methods for Men and Women.*
- 71 *Secondary School Methods.*
- 72 *Y. M. C. A. and Y. W. C. A. Methods.*
- 73 *Public School Methods.*
- 74 *Artistic Anatomy and Physical Proportions.*
- 75 *Swimming.*
- 76 *Fencing, Broadsword and Foil.*
- 77 *Boxing.*
- 78 *Wrestling.*
- 79 *Bowling.*
- 80 *Jiu Jitsu.*

MUSIC

Mr. SMITH :—

81 *Harmony.*

Mr. HAESCHE :—

82 *Counterpoint.*

Mr. SMITH :—

83 *Strict Composition.*

Mr. HAESCHE :—

84 *Instrumentation.*

Messrs. SMITH and HAESCHE :—

85 *The Development of Music.*

Mr. B. JEPSON :—

86 *Music in Public Schools.*

Assistant Professor KNIGHT :—

87 *Pianoforte.*

Assistant Professor JEPSON :—

88 *Organ.*

Assistant Professor TROOSTWYK :—

89 *Violin.*

Mr. RABOLD :—

90 *Vocal Music.*

FINE ARTS

Messrs. LANGZETTEL and THOMPSON :—

91 *Preparatory Course in Art.*

BIBLICAL AND THEOLOGICAL SCIENCE

Professor STEVENS :—

92 *The Christian Doctrine of Salvation.*

Professor PORTER :—

93 *The Teaching of Jesus.*

Professor BACON :—

94 *New Testament.*

Professor KENT :—

95 *The Work and Teachings of the Hebrew Prophets*

LIBRARY COURSE FOR TEACHERS

Mr. KEOGH :—

96 *The Use of Books and Libraries.*

PART IV

**INSTITUTIONS CONNECTED WITH THE
UNIVERSITY**

LIBRARIES

ADDISON VANNAME, M.A., *Librarian*

FRANKLIN BOWDITCH DEXTER, LITT.D., *Assistant Librarian*

ANDREW KEOGH, M.A., *Librarian of the Linonian and Brothers
Library*

ANNIE ELIZA HUTCHINS, *Assistant*

JOEL NELSON ENO, M.A., *Assistant*

EDWARD FRANCIS STEVENS, B.A., *Assistant*

HENRY ROBERT GRUENER, *Assistant*

Mrs. HENRIETTA CLARK GILBERT, *Assistant*

Mrs. JESSIE CRAIG HARGER, *Assistant*

GEORGE ALEXANDER JOHNSON, *Assistant*

The whole number of volumes in the several libraries of the University is about 390,000.

The Standing Committee in charge of the University Library, appointed by the Corporation, consists of President HADLEY, Professors DAY, FISHER, LOUNSBURY, DANA, SEYMOUR, ADAMS, FARNAM and ELY, and the Librarian.

The UNIVERSITY LIBRARY contains about 300,000 volumes and many thousands of unbound pamphlets. For some years past the average annual increase has been more than 10,000 volumes. Of current periodical publications, including publications of learned societies, the Library receives not less than one thousand, about one-half of which are foreign. While designed especially for the use of the officers, resident graduates, and students of the several Departments of the University, other persons may have the privilege of consulting and, by permission of the Library Committee, of drawing books. The Library is open daily, except Sundays, in term-time, from 9 A. M. to 5 P. M.; the reference-library and reading-room is open until 9 P. M. In the vacations the Library is open during the morning hours.

The new Library building, erected by the munificence of the late Hon. Simeon B. Chittenden, of Brooklyn, N. Y., began to be occupied in 1890.

The LINONIAN AND BROTHERS LIBRARY, occupying the south wing of the old Library building, contains about 24,500 volumes, to which additions of several hundred volumes, chiefly of the best current literature, are annually made. It is designed primarily for the use of the students, and is open in term-time, daily, except Sundays, from 9 A. M. to 5 P. M. In vacations it is open on Monday, Wednesday, and Saturday mornings.

In addition to the periodicals received at the University Library, there will be found in the Reading-room (in the north wing) fifty-five daily newspapers, American and foreign, fifty-four weeklies, and sixty-eight other periodicals. This is open daily in term-time from 9 A. M. to 8 P. M., on Sundays from 1 to 8 P. M.

The DWIGHT HALL LIBRARY, which is open daily from 8 A. M. to 9 P. M., contains nearly 1,000 volumes, selected mainly with reference to the study of the Bible; together with a Reading-room, in which fifty-six newspapers and periodicals are on file.

The LAW LIBRARY, containing about 20,000 volumes, among which are included complete sets of the English, American, Irish and Canadian Reports, is on the third floor of the Law School Building; it is open daily during term time from 8.30 A. M. to 10 P. M.

The SHEFFIELD SCIENTIFIC SCHOOL LIBRARY, in Sheffield Hall, is a valuable collection of about 7,500 volumes, and in the laboratories of the School are 2,500 additional volumes.

The TROWBRIDGE REFERENCE LIBRARY of the Divinity School, in Bacon Memorial Hall, contains about 4,000 volumes of standard and recent theological literature. It is open in term-time in the afternoons and evenings.

The LOWELL MASON LIBRARY OF CHURCH MUSIC, in West Divinity Hall, is accessible to those interested in the

study of this subject. It embraces about 8,000 titles in 4,000 volumes.

The LIBRARY OF FOREIGN MISSIONS, in East Divinity Hall, contains nearly 7,000 volumes, with all the leading missionary periodicals.

There are in addition departmental libraries having approximately the following number of volumes: SCHOOL OF THE FINE ARTS, 500; FOREST SCHOOL, 2,500; PEABODY MUSEUM, 4,500; OBSERVATORY, 4,500; SLOANE PHYSICAL LABORATORY, 1,000; KENT CHEMICAL LABORATORY, 500; HEALY PHILOSOPHICAL LIBRARY, 1,600; DEPARTMENT OF MUSIC LIBRARY, 500.

There are also special libraries, amounting in the aggregate to 6,000 volumes, in the rooms of the CLASSICAL CLUB, the MODERN LANGUAGE CLUB, and other clubs for the promotion of scholarship and research.

The LIBRARY OF THE MEDICAL SCHOOL is incorporated in the University Library.

The LIBRARY OF THE AMERICAN ORIENTAL SOCIETY, consisting of about 6,000 books and manuscripts, is deposited in the University Library building.

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PEABODY MUSEUM OF NATURAL HISTORY

TRUSTEES

PROFESSOR EDWARD SALISBURY DANA, PH.D., *Chairman*

THE GOVERNOR OF CONNECTICUT, *ex-officio*

PRESIDENT ARTHUR TWINING HADLEY, LL.D.

PROFESSOR GEORGE JARVIS BRUSH, LL.D.

Hon. GEORGE PEABODY WETMORE, M.A.

WILLIAM W. FARNAM, M.A.

CORNELIUS VANDERBILT, M.E.

CURATORS

ADDISON EMERY VERRILL, M.A., *Curator of the Zoological Collection*

EDWARD S. DANA, PH.D., *Curator of the Mineralogical Collection*

CHARLES SCHUCHERT, M.A., *Curator of the Geological Collection*

GEORGE FRANCIS EATON, PH.D., *Curator of the Osteological Collection
and Associate Curator in Vertebrate Paleontology*

GEORGE GRANT MACCURDY, M.A., *Curator of the Anthropological
Collection*

In 1866, George Peabody, of London, but of Massachusetts birth, entrusted to a board of Trustees, selected by himself, the sum of \$150,000, "to found and maintain a Museum of Natural History, especially in the departments of Zoology, Geology, and Mineralogy, in connection with Yale College." Of this sum, \$100,000 was devoted by Mr. Peabody to the erection, "on land to be given for that purpose by the President and Fellows of Yale College, of a fire-proof building," "planned with special reference to its subsequent enlargement," to be, "when completed, the property of Yale College." Of the remainder of the gift, \$20,000 was set apart to "accumulate as a building fund,"

and \$30,000 to meet by its income from investment the expenses attending "the care of the Museum, the increase of its collections, and the general interests of the departments of science before named."

Ten years later, in 1876, the first wing of the Museum—the part now standing—was completed and furnished with cases at a cost of \$175,000, the whole outlay being met by the accumulated building fund. The central part of the projected structure and the South wing—which will extend it to Library street—remain to be built whenever the means available for the purpose shall be adequate. The central part is much needed, as only a small part of the specimens secured can now be placed on exhibition.

The first floor of the building is devoted to the department of Mineralogy, Geology, and to the purposes of a large lecture-room. The minerals occupy cases in the west room, the door of which fronts the entrance to the Museum. The minerals of the Gibbs collection, deposited by Col. George Gibbs with the College in 1809-10, and purchased in 1825 at a cost of \$20,000, and the extensive accumulations since made, are here preserved and for the most part on exhibition, making one of the largest public collections of the kind in the country. Besides minerals, the exhibition-room contains one of the largest collections of meteorites in the country. Among the specimens, there are the famous mass of meteoric iron from Texas, weighing 1635 pounds; some hundreds of meteorites, large and small, all of which came from a single fall in Iowa, in May, 1879; the interesting Weston meteorite, which fell in Weston, Connecticut, in 1807, and was soon after described at length by Professors Silliman and Kingsley; besides many others of special interest. An important recent addition is a collection of meteorites numbering nearly one thousand, which came from the great meteoric fall of May 2, 1890, in Winnebago County, Iowa. Another valuable specimen is the Jerome (Gove Co.), Kansas, meteorite weighing 65 pounds. On the occasion of the recent Bicentennial celebration, the col-

lection of meteorites brought together by Professor H. A. Newton during the latter part of his life, was presented to the Museum by his daughters as a memorial of him. This collection numbers about one hundred falls, and includes many rare specimens, a number of which are not otherwise represented in the Museum. The collection has not only a large intrinsic value, but is also particularly interesting because of the contributions which Professor Newton made to the Department of Meteoric Astronomy. The specimens are preserved together in a special case. A case in the center of the room contains a large and beautiful collection of Chinese artistic work in stone, chiefly in jade and agate, with other like objects, bequeathed by Dr. S. Wells Williams, who was for forty-three years in China and for some years before his decease was the Professor of Chinese in the University. Two adjacent rooms on this floor are used for the mineralogical and geological laboratories.

The second floor is given up to Paleontology. The southern room contains vertebrate fossils. These collections were mostly made by Professor Marsh, in the Rocky-Mountain region and other parts of the West, and presented to the University. In the center of the room is a large slab containing the skeleton of a Cretaceous Dinosaur (*Claosaurus*) measuring more than twenty-nine feet in length by thirteen feet in height; the pelvis and hind limbs of *Brontosaurus*, one of the largest of the Dinosaurs; a restoration of *Dinoceras*, a large horned mammal from the Eocene of Wyoming, and a slab showing the skeleton of a Mosasaur from the Chalk of Kansas. The second horizontal case to the left of the entrance contains specimens of toothed birds, mainly *Hesperornis* and *Ichthyornis*, discovered by Professor Marsh in the Cretaceous rocks of Kansas. Three skeletons of Dinosaurs from the Connecticut River sandstone, near Manchester, Conn.; a portion of the armor of a crocodilian reptile from New Haven, and fishes from various localities are

in the first horizontal case to the left. Near by, in the first vertical case against the wall, are the bones of a large Mastodon from the Post-Pliocene of southern New York. In the wall-case on the north side are the huge bones of the Miocene *Brontotheridæ* from Dakota and Nebraska. In the wall-cases on the east side are remains of flying reptiles, Ichthyosaurs, Crocodiles, and Turtles. In the central wall-case against the south wall are two fine skulls and the vertebral column of *Triceratops*, a gigantic Dinosaur from the Cretaceous of Wyoming. In the southwest corner wall-case are the remains of another Dinosaur from the Jurassic (*Stegosaurus*), about thirty feet long, which, as the specimens show, had very large plates along the back and four pairs of immense spines on the tail. A horizontal case on the west side of the room contains the bones of the feet of three-toed and four-toed horses from the Tertiary of Nebraska and Wyoming, also a series of small Mesozoic Mammals from Wyoming. Over the entrance is the skull of the extinct Irish Elk, with the very large antlers complete. A small vertical case contains the mounted skeleton of an early Eocene Creodont (*Dromocyon*) related to the Dog family. Near by is a life-size restoration of the great flying reptile *Pteranodon* found in the chalk deposits of Kansas. The two vertical cases along the western side have remains of Dinocerata and other large Mammals.

Of the large collection of foot-prints belonging to the University, only a few fine slabs are on exhibition. These are on the north and east walls above the cases. One of the most interesting is a slab about twelve feet long, covered throughout with raindrop impressions, and, besides these, two series of foot-prints of biped reptiles.

The western exhibition-room is occupied by a collection of plant and invertebrate fossils. Those on the lower floor are arranged zoologically, and on the gallery there is to be a collection arranged stratigraphically, or according to age. The first vertical case on the south is devoted

chiefly to fossil sponges, among which the series of *Brachiospongidae* is the most notable. Then follow two cases of corals, with many fine examples from Kentucky, Ohio and New York. The nine succeeding cases contain collections of crinoids, trilobites, crustacea, bryozoa, and fossil shells. A small wall-case contains a restoration, natural size, of a giant Anthropod (*Stylonurus*) from the Devonian of New York and Pennsylvania. Two large wall-cases on the eastern side of the room exhibit slabs and tablets of crinoids, mostly from Indiana. A third wall-case encloses a large slab measuring four by six feet, showing nearly thirty species of fossils represented by upwards of one hundred and forty individuals. A fourth wall-case contains a slab measuring nearly five by seven feet, preserving on its surface over two hundred individuals of *Uintacrinus* from the Chalk of Kansas. One table-case contains many type-specimens illustrating the development, structure, and classification of Trilobites, and a second is devoted to recent Brachiopods, of which the museum has an extensive collection. On the floor is a series of large fossil trunks of Cycads from the Black Hills.

The third story is occupied with the zoological collections, so far as there is room for their exhibition. The general zoological collection, nearly the whole of which has been accumulated since Professor Verrill took charge of the department, occupies the western room. The specimens are well arranged for exhibition and all labelled. Facing the south door stands a vertical case devoted to the Sponges, among which are many species of the siliceous or glass sponges (*Euplectella*, etc.). Beyond the sponges, twelve cases are filled with the collection of corals, which is one of the most extensive in the country. These are followed by the Echinoderms, etc. Several cases are devoted to a nearly complete collection of the marine invertebrates of New England. Other cases contain special collections of the shells and corals of the Pacific Coast of America; of the corals of Bermuda; of the shells

of Florida, etc. The collections are rich in species from the deep sea dredgings in the Atlantic, but only a small part is on exhibition. Overhead are models of two of the huge Cephalopods of the world; one, of twice the natural size, an Octopus from California, twenty-eight feet in diameter (between the tips of the opposite arms), and the other, of natural size, a species of the Newfoundland seas, related to the Squids, having enormous eyes, and a length, from the posterior extremity to the tips of the longer arms, of forty-two feet. The models were made for the zoological department by Mr. J. H. Emerton.

The southern exhibition-room of the zoological story contains a collection of skeletons in cases on its east and south sides, beginning near the door. These were presented by Professor Marsh. The skeletons of mammals, beginning with man and the apes, occupy all the east side, being followed by the birds, reptiles, and fishes. The rest of the cases are occupied with collections of vertebrates, both mounted and alcoholic, including a nearly complete series of the species inhabiting New England.

The second and third stories have also large laboratories and workrooms, devoted to the department represented in the exhibition-rooms of the same floor. Those of the second or geological story are in charge of Professor Schuchert; and of the third or zoological story, besides serving for workrooms, are for the laboratory exercises and instruction of students in General Zoology under Professor Verrill. These rooms contain also large collections of specimens arranged in drawers and trays, which are open to special students in the department.

In the fourth story is a large Anthropological collection, much of which was presented to the University by Professor Marsh. The arranged collections comprise: a classified series of objects representing the Stone Age; the Egyptian collections received from the Egyptian Exploration Fund and the Barringer collection; the Mr. and Mrs. William H. Moseley collection of Indian basketry;

the Benjamin Hoppin collection from Greenland, and other smaller series. The remaining rooms on the fourth floor and in the attic are in use for storage purposes.

The basement is devoted to workrooms and storerooms, and contains a very large number of specimens, especially in the departments of Paleontology and Zoology. This part of the building is closed to visitors.

The exhibition-rooms are open from 9 A. M. to 6 P. M., except in the winter, when the hours are from 9 A. M. to 5 P. M. The janitor of the building is Mr. J. Rice, 92 High street.

THE OBSERVATORY

BOARD OF MANAGERS

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The OBSERVATORY has been built from the avails of the gift of the late Hon. Oliver F. Winchester, of New Haven, on land given by the late Mrs. Cornelia L. Hillhouse and her daughters. The principal astronomical instruments now in use are a six-inch Heliometer constructed by Messrs. Repsold, of Hamburg, an eight-inch Equatorial by Messrs. Grubb, of Dublin, given by the late Mr. Edward M. Reed, of New Haven, and an equatorially mounted set of Cameras for photographing meteors.

Besides its ordinary astronomical work, the Observatory maintains two public services. Continuous time-signals are transmitted from the distributing clock at the Observatory to the railroads and elsewhere. The Observatory offers facilities also to persons interested in accurate thermometry for the comparison of thermometers with standard instruments.

For the proper performance of these services the following equipment is in use :

1. Standard clocks, a transit instrument, chronographs, and the accessories for refined accuracy in the determination and transmission of time.

2. Apparatus for research and comparison in thermometry, including a collection of the best thermometers obtainable of the foreign makers and observatories which devote special attention to thermometric standards.

Descriptive circulars of the thermometric service may be obtained by addressing the Observatory.

By the will of Professor Elias Loomis, who died in 1889, the Observatory receives one-third of the income, and will ultimately receive the entire income, of a fund established by him and called the *Loomis Fund*. The income received is to be applied to one or more of the following objects only, namely, the payment of the salaries of observers whose time is exclusively devoted to the making of observations for the promotion of the science of astronomy, the reduction of astronomical observations, and the defraying of the expense of publishing these observations and of publishing investigations based upon astronomical observations. The principal of the Loomis Fund is over three hundred thousand dollars.

THE BOTANICAL GARDEN

JAMES WILLIAM TOUMEY, M.S., *Director*

JOHN HILL MURRAY, *Head Gardener*

The BOTANICAL GARDEN was established in 1900 on the estate of the late Professor Othniel C. Marsh, who bequeathed his place to the University for this purpose. Prof. Marsh took a deep interest in trees, shrubs and flowers, and laid the foundation of a Botanical Garden by the extensive plantings, particularly of trees and shrubs, that he made on his place. The estate is in every respect well suited for a Botanical Garden and for purposes of Botanical research. It covers an area of about ten acres, eight of which are available for planting.

During the past year extensive repairs have been made upon the two greenhouses and the barn, and considerable progress has been made in the development of the garden. The hardy herbaceous plants, both perennials and annuals, have been grouped according to families and properly labelled. This feature has very largely improved the garden for purposes of Botanical study. Sixty-two species of trees and shrubs have been added to the garden during the year.

As in the past, special attention has been given to the growing of seedlings of forest trees and other woody plants. Nearly one-half acre of the garden is devoted to seed beds and to a nursery of woody plants, chiefly those of economic importance. The study of forest tree seeds and the root habits of young seedlings continues to be the most important research work at the garden.

THE UNIVERSITY CHURCH

The privileges of THE CHURCH OF CHRIST IN YALE UNIVERSITY are extended to all students of the University. The services are held in the BATTELL CHAPEL, a building completed in 1876, and erected mainly through the generosity of Mr. Joseph Battell of New York City.

The services in the Chapel are three-fold:

(1.) PRAYERS are held daily (Sunday excepted) at 8.10 A. M. The attendance of all students in the Academical Department is required. The services, which consist of Reading of the Scriptures, Prayer and Singing, are conducted this year by the following officers of the University:

President Hadley.
Dean Wright.
Professor Reed.
Professor Schwab.

Professor Seymour.
Professor Sneath.
Mr. Stokes.
Professor Walker.

(2.) PUBLIC WORSHIP is held every Sunday at 10.30. Attendance of students in the Academical Department is required, unless they obtain special permission from the Dean to worship elsewhere. Appointments for the Sunday services are made by a Joint Committee of the Corporation and Faculty, who endeavor to select as preachers those who, by their daily contact with active life and their knowledge of young men, are especially fitted to reach and influence a College audience. The income of the Chittenden Professorship of Divinity fund is at present used to maintain the Sunday preaching, the preachers having also pastoral duties in connection with their work. The preachers for the present year, as far as arranged at the date of the publication of this Catalogue, are as follows :

1904

- Oct. 2. President Arthur T. Hadley, LL.D.
 9. Rev. Amory H. Bradford, D.D., Montclair, N. J.
 16. Mr. John R. Mott, M.A., New York City.
 23. Rev. William S. Rainsford, D.D., New York City.
 30. Rev. President W. Douglas Mackenzie, D.D., Hartford Theological Seminary, Hartford, Conn.
- Nov. 6. Rev. William James Dawson, London, England.
 13. Professor Francis G. Peabody, D.D., Harvard University, Cambridge, Mass.
 20. Rev. George Hodges, D.D., Episcopal Theological School, Cambridge, Mass.
 27. Rev. Lyman Abbott, D.D., LL.D., New York City.
- Dec. 4. Rev. James G. K. McClure, D.D., Lake Forest, Ill.
 11. Rev. President William H. P. Faunce, D.D., Brown University, Providence, R. I.
 18. Rt. Rev. Charles Brent, D.D., Manila, P. I.

1905

- Jan. 15. Mr. Robert E. Speer, M.A., New York City.
 22. Rev. Professor Henry Van Dyke, D.D., LL.D., Princeton, N. J.
 29. Rev. Joseph H. Twichell, M.A., Hartford, Conn.
- Feb. 5. Rev. Samuel G. Smith, D.D., Minneapolis, Minn.
 12. Rev. Bishop William F. McDowell, D.D., New York City.
 19. Rev. Nehemiah Boynton, D.D., Detroit, Mich.
- March 5. Rev. President William De Witt Hyde, D.D., LL.D., Bowdoin College, Brunswick, Me.
 12. Rev. G. Glenn Atkins, Burlington, Vt.
 26. Rev. William Newton Clarke, D.D., Colgate University, Hamilton, N. Y.
- April 2. Rev. President Charles Cuthbert Hall, D.D., Union Theological Seminary, New York City.
 9. Rev. Sherrard Billings, M.A., Groton School, Groton, Mass.
 16. Rev. L. Mason Clarke, Brooklyn, N. Y.
 30. Rt. Rev. William Lawrence, D.D., LL.D., Boston, Mass.
- May 7. Rev. Professor J. S. Riggs, D.D., Auburn Theological Seminary, Auburn, N. Y.
 14. Rev. Bishop John H. Vincent, D.D., LL.D., Chautauqua, N. Y.
 21. Rev. Endicott Peabody, D.D., Groton School, Groton, Mass.
 28. Rev. President Flavel S. Luther, LL.D., Trinity College, Hartford, Conn.

- June 4. Rev. William R. Richards, D.D., New York City.
11. Rev. Leighton Parks, D.D., New York City.
25. President Arthur T. Hadley, LL.D.

(3) A COMMUNION SERVICE is held on the first Sunday of each month in term time. It is conducted by the Acting Pastor of the College Church, Rev. Professor Bacon, assisted by the preacher of the morning. The invitation to it is extended by the President to "all who have professed and would profess themselves followers of the Lord Jesus Christ."

THE INFIRMARY

THE YALE INFIRMARY is situated on Prospect street in a healthy and beautiful part of the city. It was built in 1892 at a cost of about \$40,000, raised by subscription among friends of the University. One dollar is charged on the Treasurer's bill for each day that a student remains in the Infirmary. Mrs. Anderson, a competent matron, is in residence, but the choice of physician rests with the patient.

THE DINING HALL

The YALE DINING CLUB furnishes board at cost. Each boarder is charged \$3.00 per week, which pays for linen, service, tea, coffee, cocoa, bread, butter, milk, fruit and vegetables. Meat, fish and egg orders must be paid for extra. In addition there is an à la carte card from which may be ordered anything in season. A vegetarian may live well on the fixed charge of \$3.00 per week; a reasonable amount of meats may be added for an additional \$1.50 per week; while for the more expensively inclined there is still the regular à la carte plan. The Hall contains seats for 1,044, and is open to members of the University. The bills for board of students will be charged on the regular term bills. Meals will be furnished to visiting graduates, and to friends of the regular boarders, at a reasonable rate. Application for board should be made at the office of the Superintendent, at the east end of University Hall. The management is now assisted by a student organization "The Yale Dining Club," which has contributed much towards the improvement of the service and general results.

THE GYMNASIUM

ADVISORY COMMITTEE

THOMAS LEE MCCLUNG, B.A.

WILLIAM GILBERT ANDERSON, M.A., M.D., *Director*

EUGENE LAMB RICHARDS, M.A.

JOHN EDWARD HEATON, Esq.

The GYMNASIUM is designed to provide all students of the University, not only with opportunities for general exercise, but also with the means of caring for the body in accordance with the laws of hygiene. It also provides for specific training in view of any physical defects that may be remedied by rational superintendence.

The Department is under the supervision of a Director, who is a trained physician.

The gymnastic training is designed to be progressive from year to year. The members of the different classes may take exercises in the various forms of gymnastics under the instruction of the directors, and any student may enter the classes in general gymnastics. An instructor is always present in the main exercise-hall to direct individual or class work. All students requiring such care are assigned exercises suited to their special needs.

A thorough physical examination and measurement is offered each student yearly, and a record of the results is kept as a basis of advice as to exercise and regimen. An examination of these records shows that the standard of health of the average student improves during his college course.

For the welfare of the students the following rule has been passed by the Corporation :

Required that every man who presents himself for exercise in the gymnasium, or who desires to use its privileges, should first submit to a physical examination by one of the directors; or, in default of such an examination, should bring from his physician a written certificate (the form to be furnished by the director) that he is physically sound; or a written certificate from his parent or guardian that he wishes the student excused from the examination and that he himself will take the responsibility of exercise without a previous examination.

An elective course is usually provided for the Senior and Junior classes in the Academical Department, and is set forth in the prospectus of elective studies. This course provides training in hygiene and gymnastics for those who intend to teach or to supervise the work of physical training in educational institutions. A course of lectures is given on elementary physiology and sanitary science. Dr. Anderson, the Director, gives lectures and lessons in the theory and practice of gymnastics.

The new Gymnasium, erected by graduates for the use of the University, was opened in 1892. The arrangement of the building is in general as follows: the location is on the north side of Elm street, and the front is 138 feet, while the depth is 86 feet. The entrance is by an archway at the east end, which leads through the building to a large lot in the rear that affords room for outdoor exercises, such as throwing the hammer, putting the shot, hurdling, pole-vaulting, jumping, etc.

The basement is reached by an entrance from the lot, and contains an engine room, a laundry, a bath-room with tubs, each provided with a shower and douche, toilet rooms, a room with two bowling alleys, and a room for baseball teams.

The first floor contains the spacious entrance-hall, or vestibule, a dressing room for athletes, with bath and toilet rooms for their special use, a complete equipment of lockers, bath, a swimming-pool (28 x 50 feet), a Turkish bath, and two rowing-tanks large enough for eight-oar crews.

The second floor is occupied by officers, fencing, wrestling and boxing rooms, and a large dressing-room, with shower-baths and toilet-rooms adjoining. This room now has over one thousand ventilated lockers, with space for a thousand more whenever they may be needed.

The Gymnasium is open from 9.30 in the morning until 8.30 at night. Graduate and undergraduate students are entitled to the use of the tub and Turkish baths upon the payment of a small fee.

THE ATHLETIC FIELD

WALTER CAMP, B.A., *Treasurer*

The Athletic Grounds of the University, known as the YALE FIELD, are open to the students of all departments. Twenty years ago the project was advanced of securing a suitable field where the students might obtain the physical exercise so conducive to health and to the best mental effort. A committee consisting partly of graduates and partly of undergraduates was then formed, and it was decided to purchase a tract of land, consisting of some thirty acres, lying just beyond the Orange town line, and a mile from the Campus. Subscriptions were started, and in 1882 the field was purchased, the cost being about \$22,000 for the land itself, and \$31,000 more for its immediate grading and preparation. It was necessary in addition to subscriptions, to borrow an amount of \$21,000. The field thus purchased lies on the bank of West River on a bluff some forty feet above the river bed and extending westward. Just beyond it rises Edgewood Hill, and to the north stands West Rock, while towards the south is Long Island Sound, and east is the city and the University. The trolley cars run to the gate.

One of the original articles of incorporation provided for the turning over of the field to the University, and it was towards this end that the Yale Field Corporation worked for many years. It was impossible that the University should accept the property while it was mortgaged or in debt. The final payment on the \$8,000 mortgage was at last accomplished and the field deeded over to the University ; a property representing an original expenditure of some \$53,000, to which, for maintenance and improve-

ments, a sum of about \$100,000 has been added, the bulk of which has come from the athletic associations in gate receipts.

The Yale Field has several baseball and football fields, a quarter mile running track with a 220-yard straight away, football grandstands accommodating over 30,000 people, and a covered baseball stand seating over 3,000. There is a small section to the southwest not yet fully graded which will be made available for athletic purposes as soon as funds can be provided.

The articles under which the Corporation was formed provide that the grounds shall be managed by persons connected with Yale University for athletic games and exercises, and for out-door recreation, to encourage such games, exercises, and recreation in the University, and to take, buy, own and hold property necessary or proper therefor. The University, having taken over the property, will see that the purposes for which it was purchased are duly protected and the athletic interests properly conserved.

THE YALE UNIVERSITY CHRISTIAN ASSOCIATION

The headquarters of the Academical, Graduate and Law Departments of the YALE UNIVERSITY CHRISTIAN ASSOCIATION are in Dwight Hall, which was erected in 1886 through the generosity of Mr. Elbert B. Monroe, of Southport, Connecticut. Dwight Hall is a stone building situated on the College Square and is admirably adapted to be the center of the religious life of the University. It contains a convenient reading room, a carefully selected library, an auditorium for general religious services, separate rooms for the Bible classes and prayer meetings of the various college classes, as well as quarters for the University General Secretary and the Academical General Secretary, who are recent graduates. They are elected annually and have immediate supervision respectively of the graduate and professional schools and of such Association work as is common to all the University, and such as relates to the Academical Department exclusively. The Academical General Secretary has immediate supervision of the building.

The "management and control" of Dwight Hall rest, in accordance with the expressed wish of the donor, in the Corporation of the University. There is, however, a Graduate Advisory Committee known as the Board of Directors, elected by the members of the Association and consisting at present of the following: Mr. William Sloane, '95 (term expires 1907), Chairman; Mr. E. S. Harkness, '87 S. (term expires 1909), Secretary; Mr. S. H. Fisher, '89 (term expires 1910), Treasurer; and Messrs. R. C. Morse, '62 (term expires 1906), J. B. Reynolds, '84 (term expires 1910), J. G. P. Stokes, '92 S. (term expires 1905), V. C. McCormick, '93 S. (term expires 1908). The actual

planning and carrying out of the organized religious work of the University is in the hands of the various executive committees of the different departments of the Association. This work consists of classes for Bible study, prayer and the study of missions; deputations to preparatory schools, colleges and churches; aid for new students in obtaining board and rooms; the conduct of city missions, Sunday schools and boys' clubs; together with other philanthropic and church supply work. The class Deacons of the Academical Department, elected by the members of each class in Sophomore year, and the class Deacons of the Sheffield Scientific School, elected by the members of each class at the end of Freshman year, assume the general direction of the religious work in their classes, while for special activities committees are appointed.

The headquarters of the Sheffield Association are on the second floor of Byers Memorial Hall (see pages 262-263). An auditorium, a carefully selected Library, and separate class rooms are devoted to the various uses of the Association. There are also on this floor quarters for the Sheffield Scientific School General Secretary.

The different departments of the Association are bound together by a University Council composed of the chief officers of the departments.

THE YALE STATION, UNITED STATES POST OFFICE

The YALE STATION, a branch of the New Haven Post Office, was established October 1, 1900, for the purpose of affording the best possible mail service for members of Yale University. The office is equipped with one thousand lock boxes, there being no carrier delivery. Each college room is assigned a lock box and a nominal rental is charged on the term bill. Members of the University residing outside of the dormitories may be assigned a box upon application to the Superintendent of the Station, Mr. Thomas F. Clark. All box holders are obliged to procure a box key. There are five mails received and the same number despatched each week day, one on Sunday and two on legal holidays. These mails are arranged to meet the important trains. The schedule of arrival and departure of mails can be found on the official bulletin-board in the Post Office corridor.

The office conducts all branches of the postal service and is entitled to all the privileges of a first-class office, including the sale of stamps and stamped paper, a registered mail department and postal money order service, both Domestic and International.

The station is located in Fayerweather Hall, and is central to all departments of the University.

THE BUREAU OF SELF-HELP AND APPOINTMENTS

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ANSON PHELPS STOKES, Jr., M.A.

HENRY PARKS WRIGHT, PH.D., LL.D.

RUSSELL HENRY CHITTENDEN, PH.D., LL.D., Sc.D.

ANDREW WHEELER PHILLIPS, PH.D.

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HERBERT EUGENE SMITH, M.D.

HENRY WADE ROGERS, LL.D.

E. HERSHEY SNEATH, PH.D., LL.D.

C. L. KITCHEL, M.A., B.D., *Secretary of the Bureau*

The BUREAU OF SELF-HELP represents all the agencies and opportunities which the University affords in its various departments and activities by which students of insufficient means obtain compensation for services rendered. It is open to students in any department of the University. The office is at 4 Phelps Hall.

The work of the Secretary of the Bureau is to obtain employment for students of the University and for graduates, and the assignment of beneficiary aid to students in the Academical Department. All students who desire employment in order to assist in paying their way may leave their names at this Bureau, and all persons who have work of any sort which students can do are requested to leave their orders here. Students who are about to graduate, and graduate students who desire positions especially as teachers, should apply to this bureau, where also applications for teachers may be made. Also those students in the Academical Department who need abatement of tuition should make application for it to this Bureau before October fifteenth in each year of the College course.

A pamphlet, entitled "Self-Help at Yale" giving an account of the various means by which students help work their own way through college, will be sent on application.

ALUMNI ASSOCIATIONS

Alabama, Yale Alumni Association of

President, George F. Peter, Maylene, Ala.

Secretary, Arthur J. Draper, Pell City Mfg. Co., Pell City, Ala.

Boston, Yale Alumni Association of

President, Prof. William T. Sedgwick, Ph.D., Mass. Institute of Technology, Boston, Mass.

Secretary, Henry C. Stetson, 84 State st., Boston, Mass.

Boston, Yale Club of

President, Rev. Samuel C. Bushnell, Arlington, Mass.

Secretary, Henry C. Stetson, 84 State st., Boston, Mass.

Buffalo, Yale Alumni Association of

President, William A. Rogers, 309 North st., Buffalo, N. Y.

Secretary, Kneeland Ball, 1010 Prudential Bldg., Buffalo, N. Y.

California, Yale Alumni Association of

President, Prof. Edward B. Clapp, 1 Bushnell pl., Berkeley, Cal.

Secretary, Knox Maddox, 16 Nevada Block, San Francisco, Cal.

Central Pennsylvania, Yale Alumni Association of

President, Prof. Jacob F. Seiler, Ph.D., 401 N. Front st., Harrisburg, Pa.

Secretary, Robert McCormick, 101 N. Front st., Harrisburg, Pa.

Central and Western Massachusetts, Yale Alumni Association of

President, Charles W. Bosworth, Court Square Theater Bldg., Springfield, Mass.

Secretary, D. B. Tucker, 115 Exchange st., Worcester, Mass.

Central Ohio, Yale Alumni Association of

President, Henry T. Chittenden, Columbus, O.

Secretary, Ellis O. Jones, Jr., 812 E. Broad st., Columbus, O.

Chicago, Yale Club of

President, S. Leonard Boyce, 135 Adams st., Chicago, Ill.

Secretary, David B. Lyman, Jr., 100 Washington st., Chicago, Ill.

China, Yale Alumni Association of

Secretary, Prof. Charles S. Leavenworth, Chinese Imperial College of Nanyang, Shanghai, China.

Cincinnati, Yale Club of

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Secretary, Harry B. Mackoy, United Bank Bldg., Cincinnati, O.

Cleveland, Yale Alumni Association of

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Secretary, Floyd W. Jefferson, 1339 4th av., Louisville, Ky.

Long Island Yale Alumni Association

President, John K. Creevey, 316 Greene av., Brooklyn, N. Y.

Secretary, Hampton Howell, 4 Monroe pl., Brooklyn, N. Y.

Louisiana Yale Alumni Association

President, Edward L. Simonds, 127 Carondelet st., New Orleans,
La.

Secretary, Harry H. Clark, 2233 St. Charles av., New Orleans, La.

Maryland, Yale Alumni Association of

President, John McHenry, Mercantile Trust & Deposit Co., Baltimore, Md.

Secretary, Frank B. Smith, 1311 Park av., Baltimore, Md.

Meriden Yale Alumni Association

Secretary, Charles T. Dodd, 79 Colony st., Meriden, Conn.

Michigan, Yale Alumni Association of

President, W. C. McMillan, 452 Jefferson av., Detroit, Mich.

Secretary, Henry Ledyard, Union Trust Bldg., Detroit, Mich.

New York City, Yale Club of

President, Julian W. Curtiss, 126 Nassau st., N. Y. City.

Secretary, J. Frederick Eagle, 40 Wall st., N. Y. City.

Northeastern New York, Yale Alumni Association of

President, Francis N. Mann, Troy, N. Y.

Secretary, Erastus Corning, 281 State st., Albany, N. Y.

Northwestern Yale Alumni Association

President, Cyrus Northrop, LL.D., 519 10th av., S. E., Minneapolis, Minn.

Secretary, R. M. Newport, Jr., 433 Ashland av., St. Paul, Minn.

Onondaga Yale Alumni Association

President, Charles W. Bardeen, 406 S. Franklin st., Syracuse, N. Y.

Oregon Yale Alumni Association

Secretary, John D. Carson, Portland, Oregon.

Philadelphia, Yale Alumni Association of

President, S. Hudson Makuen, M.D., 252 S. 16th st., Philadelphia, Pa.

Secretary, John L. Evans, 701 Arcade Bldg., Philadelphia, Pa.

Pittsburg, Yale Alumni Association of

President, Oliver D. Thompson, Park Bldg., Pittsburg, Pa.

Secretary, George S. Oliver, 1042 S. Negley av., Pittsburg, Pa.

Plainfield, N. J., Yale Alumni Association of

President, Samuel St. J. McCutchen, 76 William st., N. Y. City, or Plainfield, N. J.

Secretary, Charles W. Abbott, Plainfield, N. J., or 49 Wall st., N. Y. City.

Rhode Island, Yale Alumni Association of

President, Hon. LeBaron B. Colt, 105 Waterman st., Providence, R. I.

Secretary, Thomas B. Owen, 110 Bowen st., Providence, R. I.

Savannah Yale Club

President, Gen. William W. Gordon, Savannah, Ga.

Secretary, Col. G. Arthur Gordon, Savannah, Ga.

Scranton Yale Alumni Association

President, Hon. Robert W. Archbald, Post Office Bldg., Scranton, Pa.

Secretary, Charles H. Welles, Jr., 322 Connell Bldg., Scranton, Pa.

Seattle (Wash.) Yale Alumni Association

Secretary, Corwin S. Shank, 632 36th av., N., Seattle, Wash.

St. Louis, Yale Alumni Association of

President, Frederick N. Judson, Rialto Bldg., or 3733 Washington Boulevard, St. Louis, Mo.

Secretary, Howard L. O'Fallon, 4539 Berlin av., St. Louis, Mo.

Southern California, Yale Alumni Association of

President, Francis B. Kellogg, M.D., 328 Douglas Bldg., Los Angeles, Cal.

Secretary, Nelson W. Bell, Pasadena, Cal.

Tennessee Yale Alumni Association

President, Hon. Luke W. Finley, Memphis, Tenn.

Secretary, Chas. S. Brown, Vanderbilt University, Nashville, Tenn.

Texas Yale Association

President, Dr. Oscar H. Cooper, Simmons College, Abilene, Texas.

Secretary, William M. Jones, Slaughter Bldg., Dallas, Texas.

Utica, Yale Club of

President, Beecher M. Crouse, 6 Miller st., Utica, N. Y.

Secretary, Alfred C. Coxe, Jr., 60 Chancellor sq., Utica, N. Y.

Washington, D. C., Yale Alumni Association of

President, Daniel C. Gilman, LL.D., 614 Park av., Baltimore, Md.

Secretary, Wallace W. Hite, Patent Office, Washington, D. C.

Associated Western Clubs

President, Prof. George E. Vincent, Ph.D., 5737 Lexington av., Chicago, Ill.

Secretary, Hopewell L. Rogers, 123 5th av., Chicago, Ill.

Wisconsin, Yale Alumni Association of

President, Hon. John M. Whitehead, Jackman Block, Janesville, Wisc.

Secretary, James H. Niedecken, 673 Cass st., Milwaukee, Wisc.

Wyoming Valley (Pa.) Yale Alumni Association

President, Hon. Stanley Woodward, 36 Coal Exchange Bldg., Wilkes-Barré, Pa.

Secretary, Franck G. Darte, Coal Exchange Bldg., Kingston, Pa.

PART V

UNIVERSITY LECTURE COURSES
AND PRIZES

THE PUBLIC LECTURE COURSE

UNDER THE AUSPICES OF

YALE UNIVERSITY

AND THE

NEW HAVEN UNIVERSITY EXTENSION CENTRE

A series of twenty-five lectures under the above title has been arranged for the season of 1904-1905. This course, established in 1900, is under the joint auspices of Yale University and the New Haven University Extension Centre. It represents a popular presentation of systematic instruction in Literature, Science, History, Art, and Music. The subjects in general are treated in a more scholarly manner than in the magazines, although they are presented in popular language. A number of the lectures, especially those in Science and Art, are illustrated by lantern slides and apparatus, while musical lectures are usually accompanied by vocal and instrumental selections.

These lectures are given in College Street Hall, Yale University. The price of a season ticket is three dollars. This also admits to the course of Sheffield Lectures.

Letters of inquiry may be addressed to Mr. Willis K. Stetson, Free Public Library, where circulars may always be found giving dates of lectures, etc.

The list of lectures in this course for the year, not including the ten Sheffield Lectures, follows:

GEORGE WASHINGTON CABLE,
Recital—"Parson Jones."

WILLIAM LYON PHELPS,
A Browning Pilgrimage in Italy. (Illustrated.)

JACOB AUGUST RIIS,
The Battle with the Slum. (Illustrated.)

- EDWARD HOWARD GRIGGS,
The Humanity of Shakespeare.
- EDWARD HOWARD GRIGGS,
The Ethical Awakening : The Merchant of Venice.
- EDWARD HOWARD GRIGGS,
Facing the Mystery : Hamlet.
- EDWARD HOWARD GRIGGS,
The Tragedy of Ambition : Macbeth.
- EDWARD HOWARD GRIGGS,
World Forces and the Individual : Antony and Cleopatra.
- EDWARD HOWARD GRIGGS,
The Final Attitude : The Tempest.
- HAMILTON WRIGHT MABIE,
Shakespeare's Education.
- GEORGE RIDDLE,
Dramatic Reading—Antony and Cleopatra.
- Mrs. MARY E. HITCHCOCK,
A Visit to the King of Korea. (Illustrated.)
- HENRY EDWARD KREHBIEL,
Dramatic Dances and Children's Games (Piano Accompaniment and Vocal Illustration by Mrs. Krehbiel).
- ERNEST THOMPSON SETON,
Wild Animals at Home. (Illustrated.)
- LELAND T. POWERS,
Dramatic Recital—Goldsmith's "She Stoops to Conquer."

UNIVERSITY LECTURES AND CONCERTS

LECTURE COURSES

In addition to the Yale Public Lectures and the courses regularly offered in connection with the Curriculum, there is a large number of LECTURE COURSES given under the auspices of the various University departments and organizations. These lectures are open to all students of the University.

The LYMAN BEECHER LECTURES ON PREACHING. This lectureship was founded in 1871 by a gift of ten thousand dollars from the late Henry W. Sage, then of Brooklyn, N. Y. It is filled by the appointment, by the President and Fellows, of a minister of the Gospel, of any evangelical denomination, who has been markedly successful in the special work of the Christian ministry. The lecturer for this year is Rev. Professor Francis Greenwood Peabody, D.D., of Harvard University, and his general subject, "Jesus Christ and the Christian Character." The special topics of the lectures are as follows:

1. The Modern World and the Christian Character.
2. The Character of Jesus.
3. The Roots of the Christian Character.
4. The Growth of the Christian Character.
5. The Personal Consequences of the Christian Character.
6. The Social Consequences of the Christian Character.
7. The Ascent of Ethics.
8. The Descent of Faith.

The SILLIMAN MEMORIAL LECTURES, on subjects connected with "the natural and moral world," were established by the will of the late Augustus Ely Silliman, of Brooklyn, N. Y., who died in 1884. The Mrs. Hepsa Ely Silliman Memorial Fund which supports this lectureship,

amounting to eighty-five thousand dollars, did not come into the possession of the University until 1901. The lectures on this foundation were given last year by Professor Sherrington, of the University of Liverpool. The lecturer for this year is Professor Ernest Rutherford, Professor of Physics at McGill University, Montreal, Canada.

THE DODGE LECTURES ON THE RESPONSIBILITIES OF CITIZENSHIP. This lectureship, founded in 1900 by a gift of thirty thousand dollars from William E. Dodge, Esq., of New York City, has as its object the promoting among "students and graduates, and among educated men of the United States, an understanding of the duties of Christian citizenship and a sense of personal responsibility for the performance of those duties." Hon. Andrew D. White, LL.D., D.C.L., was appointed lecturer for the current year, but finds that it will be impossible for him to keep the engagement. The name of the lecturer who will take his place has not yet been announced.

THE TROWBRIDGE LECTURE COURSE. This course was established in 1899 through a gift of five thousand dollars from Rutherford Trowbridge, Esq., of New Haven. The gift constitutes the Thomas R. Trowbridge Fund. The lectures are given every year in the School of the Fine Arts.

THE BROMLEY LECTURES ON JOURNALISM, LITERATURE, AND PUBLIC AFFAIRS. These lectures are provided for by the gift to the University in 1900 of five thousand dollars. It is the wish of the donor, Mrs. Adelaide E. Bromley, that the lectureship should be a memorial to her husband, the late Isaac H. Bromley, of the class of 1853. Two or more lectures are given annually by men of distinction, on subjects connected with Journalism, Literature, or Public Affairs, it being understood that a lecture on Journalism be arranged as often as once in four years. The lecturer for this year is St. Clair McKelway, LL.D., Editor of the Brooklyn Eagle.

The DWIGHT HALL LECTURES, arranged for by the Yale University Christian Association, are given every year by men of distinction. The subjects treated are mainly of a moral and religious character.

The SHEFFIELD LECTURES (formerly the Mechanics' Course) are provided by the authorities of the Sheffield Scientific School. The subjects cover a broad field, and the lectures are often illustrated.

The AMERICAN LECTURES ON THE HISTORY OF RELIGIONS are given at the University annually by some distinguished foreign scholar who visits this country under the auspices of several of the leading universities. The lecturer for last year was Professor George Steindorff, Ph.D., of the University of Leipsic.

The MEDICAL ALUMNI LECTURES, two in number, are given annually.

The PHI BETA KAPPA Society, the KENT CLUB of the Law School, the LEONARD BACON CLUB of the Theological School, and the SIGMA XI Society, also arrange for public lectures from time to time.

Two special series of University Lectures to be given this year are by Professor Ladd, on "The Philosophy of Religion," and by Professor Heilprin, of the Sheffield Scientific School, on "Aspects of the Earth's Surface and Recent Advances in Geographical Knowledge."

The BERKELEY SERMONS are given under the auspices of the Berkeley Association of the University, in one of the Episcopal churches of the city. The list of preachers for this year includes the Rt. Rev. Charles H. Brent, D.D., Bishop of the Philippine Islands, and Rt. Rev. Logan H. Roots, Bishop of Hankow, China.

CONCERTS

The following opportunities in Music are open to all students of the University on payment of the respective admission fees, which are moderate, being so adjusted as to meet the unavoidable expenses of such undertakings with as small a margin as possible.

The CHAMBER CONCERTS.—Three concerts will be given during the winter months by the Kneisel Quartette of Boston, and one by the Adamowski Trio.

The SYMPHONY CONCERTS.—These concerts, five in number, are given by the New Haven Symphony Orchestra. Classical and modern programmes are played and the assistance of eminent soloists is secured.

The ORATORIO SOCIETY CONCERTS.—At these concerts, of which there are to be three the present season, Handel's *Messiah*, Verdi's *Requiem* and Horatio Parker's *St. Christopher* will be sung by the New Haven Oratorio Society.

ORGAN RECITALS.—Recitals will be given in Woolsey Hall on the Newberry Memorial Organ by Professor Jepson on Monday afternoons during the winter term. Following Professor Jepson's course of recitals a supplementary series will be given by visiting organists of note.

ARTIST'S CONCERTS by musicians of the highest standing will be given from time to time. For the present season three have been planned, the first an organ recital by M. Alexandre Guilmant of Paris.

The STEINERT COLLECTION contains a large number of musical instruments of historical importance. It was presented to the University by Morris Steinert, Esq., of New Haven, and is kept in Memorial Hall.

COURSES FOR TEACHERS

The following courses given by members of the Faculty of the University are open to Teachers of Public and Private Schools :

Professor ARTHUR M. WHEELER,

History of Europe since 1848. 1 hr.

Professor CHARLTON M. LEWIS,

English Poets of the Nineteenth Century. 1 hr.

Professor LADD,

Philosophy of Mind. 2 hrs.

Philosophy of Religion. 2 hrs.

Dr. McALLISTER,

Experimental Pedagogy. 1 hr.

Dr. W. J. TAYLOR,

History of Education. 2 hrs.

Philosophical Foundations of Education. 1 hr.

The fees for the above courses are five dollars for each one-hour course and ten dollars for each two-hour course or for two one-hour courses.

UNIVERSITY PRIZES

The JOHN A. PORTER PRIZE, of the value of two hundred and fifty dollars, established by the Kingsley Trust Association in 1872, is offered for the best English Essay on a prescribed subject. Any person who has been pursuing a regular course for a degree in any Department during the whole of the current College year, may compete for this prize. The award will be announced on Commencement Day. If none of the competing essays is of sufficient merit, the prize will not be awarded.

The subjects for Essays in 1905 are as follows:

1. The Permanent or Transient Nature of Oriental Thought.
2. How Far is the Code of Ethics Accepted in the Relations of Individuals Applicable to International Relations?
3. The American Millionaire.
4. The Heroism of Every Day Life.
5. The Influence of Machinery on the Moral Character of Working Men.
6. Optimism and Pessimism.
7. Sportsmanship.
8. The Case of the Free Church of Scotland.
9. The Special Function of the Innkeeper and Barkeeper in the United States.
10. The Part Played and to be Played by Irrigation and Forestry in the Winning of the West.
11. The Recognition by the United States of the Republic of Panama.
12. The Mistakes of Reconstruction.
13. A New England Country Town.

Essays for the John A. Porter Prize should be plainly marked on the outside, "John A. Porter University Essay for 1905," and should be mailed addressed to the John A. Porter Prize Essay Committee, Drawer 175, New Haven, or left at the office of the Yale Alumni Weekly. Each essay must be typewritten and must be signed by an assumed name and accompanied by the author's real name in a

sealed envelope. This envelope must also contain an assignment of copyright, forms for which can be secured at the office of the Yale Alumni Weekly. The essays are due on or before April 29, 1905.

The DANIEL C. EATON GRADUATE SCHOLARSHIP IN BOTANY is endowed with the income of a fund of two thousand dollars, given by Mrs. Eaton in 1897 to found a Graduate Scholarship in Botany in commemoration of her husband, the late Professor Daniel C. Eaton. This scholarship, in the Graduate Department, will be open for competition to members of the Senior classes in the Academical and Scientific Departments, on conditions to be prescribed by the Governing Board of the Sheffield Scientific School.

The BENNETT PRIZE, being the income of a fund of one thousand dollars, given in 1893 by James Gordon Bennett, Esq., of New York City, is awarded annually, on Commencement Day, to that undergraduate member of the Senior class, in either the Academical Department or the Sheffield Scientific School, who shall have pursued courses in Political Science and English Literature, and shall have prepared the best essay, in English prose, upon some subject of contemporaneous interest in the domestic or foreign policy of the United States government, selected by the Faculty.

The COBDEN CLUB SILVER MEDAL is awarded annually to that undergraduate of either the Academical Department or the Sheffield Scientific School who shows the greatest proficiency in the elements of Political Economy.

The ALBERT STANBURROUGH COOK PRIZE IN POETRY, of the value of fifty dollars, is offered by Professor Cook for the best unpublished poem. Competition is open to students of the University in all departments. If none of the competing poems is of sufficient merit, the prize will not be awarded. Before receiving the prize, the winner must print the successful poem in a manner acceptable to the donor. The poems, each of which should be signed

by an assumed name, and accompanied by a sealed envelope containing the writer's full name, will be due on April 1, and may be handed in at the Chittenden Library.

The JACOB COOPER PRIZE IN GREEK PHILOSOPHY, established in 1900 by the gift of five hundred dollars from Professor Albert S. Cook, is awarded in any year by the departments of Greek and Philosophy to such student of the University, being a person of high attainments and ability, as shall pass the best examination in the *Metaphysics* and *Organon* of Aristotle, and shall submit the best thesis upon some topic drawn from one of these works and announced publicly at a convenient time in advance.

The GEORGE WASHINGTON EGLESTON HISTORICAL PRIZE, the income of one thousand dollars, founded by George Washington Egleston, Esq., of Eardisley, Herefordshire, England, will be awarded to any student of the University who shall during the ensuing year, by research, discover any new fact or facts relating to American History; or shall from existing data bring to bear any information, or criticism, sufficiently notable to be useful from a literary point of view.

PART VI

DEGREES AND HONORS, 1904

DEGREES CONFERRED IN COURSE

BACHELORS OF ARTS

John Day Ackley
Charles Edward Adams
George Webster Adams
Frederick Charles Aldinger, B.A.
Drake University 1898
Arthur Williams Allen
Christopher Magee Anderson
George Williams Anderson
John Phelps Taylor Armstrong
Lemuel Hastings Arnold, Jr.
Louis Horace Arnold
William Norbourn Arterburn
Arthur Shinkle Baker, B.A.
Lafayette College 1903
Fred Chambers Baldwin
Seth Weaver Baldwin
Joseph Austen Bancroft, B.A.
Acadia University 1903
Harold Johnson Barbour
Will Tilden Barker
Clarence Alfred Barnes
Timothy Francis Barry
Samuel Colcord Bartlett
Thomas Hopper Beardsley
Gerald Edwin Beebe
Ralph Chapman Benedict
Charles Edward Beyer
Otis Munro Bigelow, Jr.
Seth Daniels Bingham, Jr.
Walter DeWitt Boggs
David Boies
Shelby Williams Bonnie
William Bower Boulton, Jr.
James Cox Brady
William Walter Brainard
William Arthur Brenner, B.A.
Western College 1901

James Henry Brewster, Jr.
John Shaw Broeksmit, B.A.
Coe College 1901
Fayette Brown, Jr.
Garrett Author Brownback
Charles Howe Buck
Donald Charles Bunn
Harry Frost Burgess
Benjamin Foster Burns
John Frederic Byers
Frank Callahan
Roland Heaton Camp
Nelson Stuart Campbell
George Irvin Chadwick
Robert Elmer Chandler
Carl Mattison Chapin
Russell Cheney
Richard Spencer Childs
Gerald Chittenden
George Palmer Christian
Howard Wadsworth Church
Edwin Clapp
Grant Vincent Clark, B.D.
Yale University 1903
Irving Marshall Clark
Arthur Morton Clifford
Edward Welch Clucas
James Hanson Coburn
Francis Watkinson Cole
Frederick Campbell Colston
Jean Valjean Cooke, B.A.
West Virginia University 1903
Belton Allyn Copp, Jr.
Henry Carlton Courten
James Timothy Craffey
Winthrop Murray Crane, Jr.
Walter Snell Cross

Joseph Frederick Cullman, Jr.
Colman Curtiss

John Thomson Dallas
Maurice Sherman Damon

Henry Corwith Dangler

Thomas Latham Davis

Edward LeRoy Dennis

Louis Carson Dillman

Francis Talmage Dodge

Everett Dominick

Michael Joseph Donahue

Howard Drummond

Maude Edwin Dunaway, B.A.

Hendrix College 1903

Willard Higley Durham

Robert Duncan Eggleston

William Brewster Ely

Henry Perkins Erwin

Charles Alexander Esty

Earl Webster Evans

Stevenson Hume Evans

Joseph Alexander Falvey

Dwight Thompson Farnham

Mark Graff Feder

Gladstone Fessenden

Carl Stanley Flanders

Austin Woodbridge Follett

Henry Lyman Foote

Horatio Ford

Denman Fleming Fox

Howard Atwood Franklin

Thomas Robert Gaines

Joseph William Gallagher

Harold Irving Gardner

Henry Wood Gardner

George Merrill Gelser

Franklin Williams Glazier

Harry Glicksman

Morgan Goetchius

Philip Goodell

Chauncey Shafter Goodrich

Alexander Gordon

Henry Black Gould, B.A.

Amherst College 1903

Albert Woodruff Gray

Douglas Bannan Green

Henry Little Griggs

Herman Charles Groman, B.A.

Coe College 1903

William Claiborne Hall

Harry Thomas Hamilton

Alfred Irving Harrington

William Dickinson Hart

Everett Smith Hartwell

Arthur Havemeyer

Samuel Burdett Hemingway

Raymond Thompson Hill

Edward Thurston Hiscox, 2d

Joseph Horne Holmes

James Herron Hopkins, Jr.

John Ralph Howe

Francis Edwin Howland

Julian Burrell Huff

Henry Strong Huntington, Jr.

Ernest Hamilton Hurd

Rodney Sheldon Jarvis

Thomas Lewis Jefferson, Jr.

Newell Jennings

Percy Hall Jennings

Oliver Livingston Jones, Jr.

Charles Sumner Joy

Asa Rathbone Kelley

Chauncey Clark Kennedy

Allen Humphreys Kerr

Walter Irving King

William Barri Kirkham

Thomas Henry Kirkland

John Caspar Kittle

James Whitney Knox

Edward Musgrave Lacey

Arthur Burton LaCour

George Thompson Lane

Emerson Latting

Charles William Lawrance

Charles Alonzo Leonard

Alfred Huntington Lewis

Bayard Urquhart Livingston, Jr.

Robson Longwell

Howell Gurney Lord	James Tyler Patterson, Jr.
Henry King Love	Edwin Daniel Peck
Allen Perry Lovejoy, Jr.	William Law Learned Peltz
Charles Simonton McCain	William Pickens, B.A.
Alexander Mahon McClean	Talladega College 1902
John Smith McFadden, B.A.	Frederick Erastus Pierce
Acadia University 1903	Edgar LeRoy Pond, Jr.
Francis Dominic McShane	Arthus Kingsley Porter
Theodore McCurdy Marsh	William George Powning
Lawrence Mason	David Lindsey Randall
Fred Maurice Maxwell	Willard Franklin Fitz Randolph
Harold Marwick Meech	Arthur Bernard Recknagel
Clarence Whittlesey Mendell	Lansing Parmelee Reed
George Macy Merriman	Ogden Mills Reid
Harold Grant Metcalf	Harry Wilson Reynolds
William Robert Millar	Pierce Butler Reynolds
Herbert Chauncey Miller	Harry Izard Bacon Rice
James Ely Miller	John Markham Riley
John Milton Miller	Nelson Studebaker Riley
Stewart Lea Mims	Heaton Ridgeway Robertson
William Ledyard Mitchell	Julius Rockwell
George Albert Mohlman	Barnette Freeman Roe, B.A.
Charles Everitt Moore	Western College 1903
John Alston Moorhead	William Field Rundel
Guy Burl Morrison, B.A.	Norman Nienstedt Rupp
Union (Nebraska) College 1899	John Horace Safford
George Herbert Mulford	Roger Sands
Edgar Munson	Lewis Richardson Schenck
George Sharp Munson	Robert Percy Schenck
Hugh Joseph Murphy	Herman Henry Schermerhorn
Robert Hayes Nead	Basil Scott
Arthur Edwin Neergaard	Laurence Selling
Paul Sprague Ney	Paul Shaffrath
George Elwood Nichols	John Jacob Shambaugh, B.A.
Arthur Nilsen	Western College 1903
Edwin Canfield Northrop	Kenneth Rae Shand
Martin Henry O'Brien	Carleton Shaw
Alexander Holley Olmsted	Patrick Joseph Sheehan
John Olmsted	Henry Wood Shelton
Claudius Buchanan Conant Ostrom	Thomas Mallon Shields
Edward Stetson Paine	Dudley Frank Sicher
George Elton Parks	Joseph William Sidenberg
Julius Hall Parmelee	William Strong Slade
Maurice Farr Parmelee	Brainerd Edwards Smith

Charles Eastwick Smith, Jr.
 Lathrop Smith
 Wirt Foster Smith
 Robert Lincoln Smitley
 Cornelius Harry Snell
 Willard Burr Soper
 Walter Bunce Spencer
 Norval Burpee Spinney, B.A.
 Acadia University 1898
 Robert Allan Squire
 George Emanuel Stansfield
 Henry Hamlin Stebbins, Jr.
 Arthur Francis Stoddard Steele
 Edward Collins Stone
 George Stuart Studwell, Jr.
 Edgar Hinton Taylor
 Thomas Day Thacher
 Chauncey Edwards Treadwell
 Harold Hathaway Trusdell
 Carll Tucker
 Howard MacGregor Tuttle
 William Bryan Wait
 Francis Eames Walton
 Sheldon Eaton Wardwell

Karl Watson Warmcastle
 William Hyde Warner, B.A.
 Colorado College 1902
 Bronson Mills Warren
 Frank Lord Warrin, Jr.
 Clayton Wolcott Welles
 Paul Bessal Welles
 George William Welsh
 Earle Rogers Whipple
 William Ernest Whiting
 Frederick Holme Wiggin, Jr.
 James Harvey Williams
 Justice Wilson
 Burnside Winslow
 Eugene Hale Winslow
 Garrard Bigelow Winston
 James Haydon Wömeldorf
 Sumner Byrne Woodbridge
 George William Ezra Woodruff
 John Eastman Woodruff
 Fred Apgar Wyckoff
 Jesse Watkins Wynne
 Horace Frederick Zollars

BACHELORS OF PHILOSOPHY

William Latham Abbott, Jr.
 Ebben Smith Allen
 Howard Brewer Allen
 Reuben B. Azhderian
 Norris Pitcairn Ballou
 Robert Vail Barkalow
 Mortimer Barnes
 William Henry Barnum
 William Felton Barrett
 Harry Ira Bates
 Harold Kenney Beach
 Eugene Bristol Bennett
 Joseph Bernstein
 Joseph McBath Bettes
 Robert Studebaker Binkerd
 Lebbeus Farmer Bissell

Frank Laughton Black
 Thomas Blagden, Jr.
 Clarence Moore Blair
 Henry Teegarden Bradley
 Maurice Sheldon Brandt
 Jules Rowley Breuchaud
 Bradford Brinton
 Ralph Arthur Brown
 William James Brundred
 Carl Herbert Bryant
 Raymond Uhler Bunker
 Henry Edwards Burgess
 George Tikiöb Bush
 Harry Elmer Candee
 Gustave William Carlton
 Ralph Clatworthy Carroll

Frederick William Charles
 Charles Benjamin Clark
 Webster Kimball Clark
 Oatley Barrett Cockrum
 George Cook, Jr.
 George Greer Coolidge
 William Reynolds Coon
 Lothrop Crosby
 Parker Hale Cunningham
 Joseph Curtis
 Richard Floyd Darsie
 Edward Adams Deming
 Charles Schuvelde Dewey
 Albert Hovey Dickinson
 Charles Franklin Dike, Jr.
 Walter Landon Douglass, B.A.
 Yale University 1903
 John Maury Dove, Jr.
 William Waddell Duke
 Lawrence Boardman Dunham
 Louis Henry Egan
 Augustus Hull Elliot
 George Orton Elmore
 Henry Bridges Endicott
 Benjamin Tappen Fairchild
 Malcolm Farmer
 John Farson, Jr.
 Henry Franklin Fellows
 Henry Lee Ferguson
 Albert Conro Fiero
 Frank Richard Finch
 Henry Baldwin Fischer
 Marion Hatch Fisher
 Jonathan Whitehouse Freeman
 Wilson Henry Gardner
 Owen Austin Garnsey
 William August Geiger
 Harry Douglas Gilbert
 Herbert Stites Glasby
 Edgar Toll Glass
 Walter Aiken Godcharles
 Ely Griswold
 Alva Cummings Hall
 Edwin Augustus Hall

Howard Sherwin Hamlin
 Reginald Holbrook Hardin
 George Simpson Harmount
 Fred Merritt Harris
 William Henry Harrison
 Douglas Roy Hartshorne
 Frederick Garfield Hausman
 Louis Edward Heady
 Frederick William Heyl
 Edgar Goodspeed Hill
 Lafayette Menefee Hughes
 Edward James Hutchins
 Charles Murdock Jamieson
 Howard Sheffield Jeck
 Carl Oscar Johns, B.A.
 Bethany College 1899,
 M.A. Bethany College 1902
 Francis Edgar Johnson, Jr.
 Irwin Simpson Jourdan
 Edwin Stearns Kent
 Walter Boardman Kerr
 Harold Knight
 Yenovk Hagope Kooyumjian
 Geoffrey Josiah Letchworth
 Louis Henry Levy
 Oscar Allen Lewisohn
 Walter Loewith
 Charles Bomberger Long
 Vreelandt Bennett Lyman
 John Pearce Manning
 Orson H. Marchant
 Ulric Brower Mather
 Arthur Dorland Miles
 David Henry Miller
 Harold Bourne Miller
 Judson Mather Minor
 Philip Henry Mitchell
 William James Mitchell
 Edward Eugene Moran
 John Mansfield Morse
 John Bingham Naething
 George Hiram Nettleton
 John Denison Nevin
 William John O'Meara

Herbert James Ord
 Leigh Page
 Edgar Kirk Parker, Jr.
 Stuart Wilson Parsons
 Robert Dun Patterson
 Walter Valentine Peck
 Clarence Curtiss Perry
 Frank Huntington Phipps, Jr.
 Birdseye Blakeman Pierpont
 Claude Pinney
 Frank Wesley Pitman
 James Chandler Preston
 Alfred Coxe Prime
 Edward Hall Putnam
 Newton Rae
 Charles Donnelly Rafferty
 Charles Joseph Redshaw
 William Handy Reeves, Jr.
 William Stuart Reyburn
 Selden Emmett Rockwell
 Homer Angelo Rogers
 Henry Luke Rowland
 Frederic Behrens Ryan
 John Andrews Savage
 Arthur Estcourt Sawyer
 Evander Baker Schley
 Clarence Maurice Schultz
 Walter Howard Seagrave
 Edward Joseph Shanley

Louis Burr Sheldon
 Robert Emmett Sheldon, Jr.
 Horace Shepard
 Adelbert Arthur Skeel
 Robert Sumner Skemp
 William Sweet Tallman
 John Hastings Thomas
 Elbridge Blish Thompson
 John Louis Thompson
 Louis Warren Thompson
 Harold Townsend
 Dwight Wallace Tracy
 Edgar Rudolph Troxell, Jr.
 George William Turner
 George Garretson Wade
 George Harry Wade
 Henry Relyea Wakeman
 Thomas Joseph Walsh
 Albert Cooper Ward
 James Johnston Waring
 Herbert Aborn Watson
 Ernest Charles Webster
 Howard Kennon Welch
 Dwight Clark Wheeler
 Myron Ames Wick
 John Charles Williams
 Joseph Dimock Williams
 Frank Kingsbury Woodworth

BACHELOR OF FINE ARTS

Carle Johann Blenner

BACHELOR OF MUSIC

Edward Bailey Birge, B.A.
 Brown University 1891

BACHELORS OF LAWS

Lloyd Stuart Ackerman, <i>cum laude</i>	Henry Cotheal Andrews, B.A.
Coleman Emanuel Andel, B.A.	Yale University 1899, M.A. 1901,
Yale University 1902	<i>cum laude</i>

- John Paul Baldwin, B.A.
 University of Kansas 1902
 Joseph Henry Banigan
 Joseph Barr
 Ernest Turrell Bauer, B.A.
 Yale University 1900, *cum laude*
 Cogswell Bentley, B.A.
 Yale University 1900, *cum laude*
 Barnette Berman
 George Dexter Blount, PH.B.
 Emory College 1901,
 B.L. University of Georgia 1903
 James Elbert Brinckerhoff
 Edward Myers Brown
 George Robert Burnes
 Edward Aloysius Carlin
 John Douglas Clark
 Charles Winthrop Cramer
 David Sheldon Day, B.A.
 Yale University 1902
 Alfred Chalenor Fairbanks
 Horace Jewel Fenton, B.A.
 Yale University 1899, M.A. 1901
 John J. Fisher, B.A.
 Beloit College 1900
 Joseph Simon Flynn
 Charles Driver Francis, B.A.
 Yale University 1902
 Robert Launitz Frost
 Marc Leon Germain
 Albert Smith Gordon, B.A.
 Wesleyan University 1901
 Ira Oswin Gregory
 Andrew Chester Halpin
 George Philip Hambrecht, PH.B.
 University of Chicago 1903
 Charles Pearl Harris, PH.B.
 Ohio State University 1899
 Benjamin Fleming Hill, B.A.
 Colorado College 1893, M.A. 1898
 John Joseph Hughes, B.A.
 Yale University 1902
 Howard Donald Humiston, B.A.
 Yale University 1902
 Abner Perry Humphreys
 William Stuart Hyde, B.A.
 Trinity College 1902
 James Henry Jeffries, *cum laude*
 William Tuite Keleher
 Dennis Joseph McCarthy, B.A.
 Yale University 1898, *cum laude*
 Patrick Frank McDonough
 Frederick Benjamin Merrels, B.A.
 Yale University 1900, *cum laude*
 George Edward Mix
 Israel Nelson, B.A.
 Bethany College 1899
 Morris Older
 William Sumner Pritchard, B.A.
 Yale University 1901, M.A. 1902
 Louis Mandelbaum Rosenbluth, PH.B.
 Yale University 1901
 Jacob Minton St. John, Jr.
 John Joseph Scanlan, B.A.
 Yale University 1902
 John Harold Sears, *magna cum laude*
 Burt Sidney Skinner
 David Harold Slade
 Howard Birney Snow
 Robert Hardy Strahan
 Jesse Napoleon Sulzberger
 William Marcus Swayne, LL.B.
 Indiana University 1899
 Joseph Hill Walker, B.A.
 Yale University 1902
 Robert Spiers Walker
 Cameron Beach Waterman, B.A.
 Yale University 1901
 Charles Killinger Witmer, B.A.
 Franklin and Marshall College 1888,
 M.A. Frankl. and Marshall Coll. 1892
 Matthew Wills Wood, B.S.
 University of Pennsylvania 1901,
 LL.B. New York Law School 1903,
 magna cum laude
 William Jefferson Wynn, B.A.
 Mercer Univ. 1897, *magna cum laude*

BACHELORS OF DIVINITY

- | | |
|--|---|
| Edward Bradford Adams, B.A.
Yale University 1901 | Harold Bruce Hunting, B.A.
Yale University 1901 |
| Albert Sherburne Baker, B.A.
Amherst Coll. 1894, M.A. Amh. 1899,
M.D. Harvard University 1899 | William Arnold Lambeth, B.A.
Trinity College 1901 |
| Robert Elliott Brown, B.A.
Oberlin College 1901 | Ernest Frank McGregor, B.A.
University of Minnesota 1901 |
| Virginus Nelson Carney, B.A.
Lincoln University 1899 | Thomas Fremington May
St. Lawrence Divinity School 1897 |
| Shirley Jackson Case, B.A.
Acadia Univ. 1893, M.A. Acadia 1896 | William Charles Morro, B.A.
Kentucky University 1898 |
| George Dewitt Castor, B.A.
Drury Coll. 1898, M.A. Drury 1903 | Albert Wentworth Palmer, B.L.
University of California 1901 |
| Jesse Conkling Coddington, B.D.
Drew Theological Seminary 1899 | George Edwin Porter, B.A.
Toronto University 1901 |
| Judson Lewis Cross, B.A.
Colorado College 1901 | Joseph Dyer Prigmore, B.A.
Missouri Valley College 1901 |
| Grove Frederick Ekins, B.A.
Knox College 1894 | Rodney Wiley Roundy, B.A.
Amherst College 1899 |
| Ernest Graham Guthrie, B.A.
Univ. of New Zealand 1900,
M.A. Univ. N. Z. 1901 | Evan Walter Scott, B.A.
Marietta College 1900 |
| William James Hail, B.A.
Missouri Valley College 1899 | John Lehman Shively, B.A.
Otterbein University 1901 |
| Milton Carter Holt, B.A.
Acadia College 1898,
M.A. Yale University 1903 | Everett Hollingsworth Sperow, B.A.
Franklin and Marshall College 1901 |
| Arnold vanCouthen Piccardt Huizinga
Gov. Training Coll., Groningen 1894 | Jacob Henry Yaggy, B.A.
Yale University 1902 |

MASTERS OF ARTS

- | | |
|--|---|
| Sessan Amakuki
Myoshin College, Japan 1901
Philosophy | Avard Longley Bishop, B.A.
Acadia College 1901,
B.A. Yale University 1903
Economics |
| Luther Anderson, B.A.
Bethany College 1899,
B.A. Yale University 1903
History | Samuel Mason Brereton, B.A.
Acadia College 1901,
B.A. Yale University 1903
Classics |
| Gilbert Giddings Benjamin, PH.B.
Syracuse University 1899
History | Henry Dwight Brooks, B.A.
Williams College 1901
Classics |
| Maxime Lucian Bergeron, B.A.
College of the City of New York 1903
Romance Languages | George Augustus Bucklin, B.A.
Oklahoma University 1903
Economics |

- Edward Herbert Cameron, B.A.**
Acadia College 1900,
B.A. Yale University 1903
Philosophy
- David Hobart Carnahan, B.A.**
University of Illinois 1896, M.A. 1898
French
- Raymond Gilmore Clapp, B.A.**
Boston University 1900,
B.D. Yale University 1903
Biblical Literature
- Charles Bolmar Cheyney, B.A.**
Yale University 1895
Economics
- William Sloane Coffin, B.A.**
Yale University 1900
History of Art
- Donald John Cowling, B.A.**
Lebanon Valley College 1902,
B.A. Yale University 1903
Philosophy
- Hubert Bruce Fuller, B.A.**
Columbian University 1900, LL.B. 1903,
B.A. Yale University 1901
History
- Edward Franklin Goin, B.A.**
Fisk University 1898,
B.D. Oberlin Theological Seminary 1901
Biblical Literature
- Thomas Warrington Gosling, B.A.**
Yale University 1894
English
- Arthur Leopold Temple Gould, B.L.**
Pomona College 1901
Philosophy
- Paul Ernst Gross, B.A.**
Moravian College 1900,
B.D. Yale University 1903
Biblical Literature
- Lars Johan Evald Hallander**
Upsala University 1893
German
- Pinckney Settle Hargrove, B.A.**
Baylor University 1898,
B.A. Yale University 1900
English
- William Allen Harper, B.A.**
Elon College 1899
German
- George Edmund Haynes, B.A.**
Fisk University 1903
Philosophy and Social Science
- George Garr Henry, B.A.**
Yale University 1901
English
- Arthur Frederick Hertell, B.A.**
Doane College 1889, M.A. 1892,
B.D. Lutheran Seminary 1895
History
- Lucius Hudson Holt, B.A.**
Yale University 1902
English
- William Brian Hooker, B.A.**
Yale University 1902
English
- William Southworth Hunt, B.A.**
Yale University 1901
English
- Albert S. Hurst, B.A.**
University of Toronto 1899
Philosophy
- Andrew Keogh**
Modern Languages
- Yoshihiko Kurata**
Keiogijiku University 1897
Economics
- Albert Alonzo Madsen, B.A.**
Moravian College 1900, B.D. 1902,
B.D. Yale University 1903
Biblical Literature
- Antonio Marinoni, B.A.**
Desenzano, Italy, 1900
Latin
- Colton Maynard, B.A.**
Yale University 1901
English
- Douglas Maxwell Moffat, B.A.**
Yale University 1903
English
- Ray Morris, B.A.**
Yale University 1901
Economics
- Sydney Byron Morton, B.A.**
Yale University 1900
Classics
- Albert Curtiss Moses, B.A.**
Carleton College 1889, M.A. 1892,
B.D. Chicago Theological Seminary 1902
Biblical Literature

Chonosuke Nakamura

Tohoku Gokuin 1893,
Sendai Theological Seminary 1895,
B.D. Pacific Theological Seminary 1903
Philosophy

Walter Melville Patton, B.D.

Wesleyan Theol. Coll., Montreal 1891,
PH.D. Heidelberg, Germany. 1897
Semitic Languages

Perry Blaine Perkins, B.A.

Harvard University 1903
Physics

Hugh Rankin, B.A.

Yale University 1903
Economics

Roland George Dwight Richardson, B.A.

Acadia College 1898,
B.A. Yale University 1903
Mathematics

Warren Bartlett Seabury, B.A.

Yale University 1900,
B.D. Hartford Theol. Sem. 1903
Comparative Religion

Frederick Isaac Selzer, B.A.

Northwestern University 1903
Philosophy

Charles Edward Snoke, B.A.

Lebanon Valley College 1900,
B.D. Union Biblical Seminary 1903
Biblical Literature

Warren Merrill Steele, B.A.

Acadia College 1902,
B.A. Yale University 1903
Philosophy

Norman Campbell Thorne, B.A.

Yale University 1902
Chemistry

Herman Justus Thorstenberg, B.A.

Bethany College 1902,
B.A. Yale University 1903
History and Social Science

Harry Brown VanDeventer, B.A.

Yale University 1903
Latin

Arthur Gustavus Ward, B.A.

Yale University 1900
German

John Jerome Wedel, B.A.

Bethany College 1903
German

Anson Smith Williams, B.A.

Leland Stanford Junior Univ. 1903
History

Clinton Frederick Zerweck, B.A.

Muhlenberg College 1902
English

MASTERS OF LAWS**Andrew Tew Bierkan, LL.B.**

Yale University 1896

Yü Chüan Chang, LL.B.

Yale University 1903, *magna cum laude*

Forest Huttenlocher, LL.B.

State University of Iowa 1903

John Augustus McKenzie, B.A.

and LL.B. State Univ. Ia. 1903

Edward Jackson Wenner, LL.B.

State University of Iowa 1903

MASTERS OF SCIENCE**Frank Cummings Cook, B.A.**

Yale University 1900, M.A. 1902

William Van Nest Garretson, B.S.

Rutgers College 1902

Ralph Walker Langley, PH.B.

Yale University 1902

Seth Enoch Moody, B.S.

Dartmouth College 1898

Joannes Gabriel Statiropoulos, B.A.

Anatolia College 1899

Henry Clarke Thacher, B.A.

Yale University 1902

CIVIL ENGINEERS

Charles Scott Landers, PH.B.
Yale University 1900

Edwy Lycurgus Taylor, PH.B.
Yale University 1901

MECHANICAL ENGINEERS

Matthew Griswold, Jr., PH.B.
Yale University 1888

James Gasherie DeWitt Morrell, PH.B.
Yale University 1900

MASTERS OF FORESTRY

John Appleton, B.A.
Bowdoin College 1902

Robert Williams Ayres, PH.B.
Yale University 1903

Hugh Potter Baker, B.S.
Michigan Agricultural College 1901

William Hector vonBayer

Fred Wilson Besley, B.A.
Maryland Agricultural College 1892

John Henry Bridges, B.S.
University of Florida 1902

Horatio James Brown, B.A.
Union University 1901

Edward Edgecombe Carter, B.A.
Bowdoin College 1902

Herman Haupt Chapman, B.AGR.
University of Minnesota 1899

Horace Washburn Chittenden, PH.B.
Yale University 1903

Harold Benjamin Eastman, B.S.
Bowdoin College 1902

Stuart John Flintham

Harold Day Foster, B.A.
Williams College 1902

William Buckhout Greeley, B.L.
University of California 1901

Walter Brooke Hadley, B.S.
Pacific College 1901

Ralph Chipman Hawley, B.A.
Amherst College 1901

Paul Delmar Kelleter, B.A.
Washington University 1902

Wilbur Reed Mattoon, B.A.
Wesleyan University 1899

Hamilton Griswold Merrill, B.A.
Amherst College 1900

Paul Goodwin Redington, B.A.
Dartmouth College 1900

Avery Turner Searle, B.A.
Pomona College 1896

Clinton Gold Smith, B.AGR.

Connecticut Agricultural College 1898

Robert Bruce Wilson, B.A.
Yale University 1901

DOCTORS OF MEDICINE

Howard Sanford Allen

Zelly Adam Bonoff

Edward Joseph Brophy

William Francis Collins

Edward Francis Crofutt

John Henry Dillon

James Bernard Dinnan

Frederick Tracy Fitch

Emanuel Charles Fleischner, *cum*
laude

Joseph Leo Gilmore

Charles Hammond

Carlos Grout Hilliard, M.A.

Brown University 1900 *cum laude*

John Wilson Hunt

Julius Harold Hurst, M.D.

Columbia University 1903, *cum laude*

Fred Pollock Lane

Thomas Edward Parker, Jr.

Nathan Tolles Pratt, M.A.

Trinity College 1897, *cum laude*

Frank Joseph Ronayne
 James Vincent Smith
 Seymour Leopold Spier
 Bartholomew Thomas Tiernan

Burton Isaac Tolles, B.A.
 Yale University 1901, *cum laude*
 Frank William Wrinn

DOCTORS OF PHILOSOPHY

WITH SUBJECTS OF STUDY

- | | |
|--|---|
| John Chester Adams, B.A.
Yale University 1896, M.A. 1898
English | Ralph Davis Gilbert, B.A.
Boston University 1900
Chemistry |
| Silas Palmer Beebe, B.S.
Harvard University 1900,
M.S. Yale University 1902
Physiological Chemistry | George Samuel Jamieson, PH.B.
Yale University 1901
Chemistry |
| Gertrude Harper Beggs, B.A.
University of Denver 1893
Greek | Carl Wilhelm Johnson, B.A.
Bethany College 1900,
M.A. Yale University 1902
German |
| Howard Logan Bronson, B.A.
Yale University 1900
Physics | Jiroku Kawabe, M.A.
Yale University 1900
Philosophy |
| Robert William Curtis, B.S.
Trinity College 1896
Chemistry | Oliver Clarence Lester
Central College 1897,
M.A. Yale University 1902
Physics |
| Edward Lewis Dodd, B.A.
Western Reserve University 1897,
M.A. Yale University 1902
Mathematics | Herbert Samuel Mallory, PH.B.
Western Reserve University 1899,
M.A. 1900
English |
| Peter Tracy Dondlinger, B.A.
National Normal University 1899
Social Science | Herbert Edwin Medway, B.A.
Yale University 1900
Chemistry |
| Arthur Henry Ralph Fairchild, B.A.
Toronto University 1900,
M.A. Yale University 1903
Philosophy | Mary Isabel Park, B.A.
Mt. Holyoke 1893
Philosophy |
| Fred Rogers Fairchild, B.A.
Doane College 1898
Economics | Ernest Martin Quittmeyer, B.A.
Wesleyan University 1899,
M.A. Yale University 1901, LL.B. 1903
Philosophy |
| Hollon Augustine Farr, B.A.
Yale University 1896, M.A. 1902
German | Elbert William Rockwood, B.S.
Amherst College 1884,
M.A. Amherst College 1901,
M.D. State University of Iowa 1895
Physiological Chemistry |
| Stanley Leman Galpin, B.A.
Western Reserve University 1901,
M.A. Yale University 1902
Romance Languages | Burke Smith, B.S.
University of Washington 1899
Mathematics |
| Milton Stahl Garver, B.A.
Western Reserve University 1901,
M.A. Yale University 1902
Romance Languages | |

Clara Eliza Smith

Mt. Holyoke 1885,

B.A. Mt. Holyoke College 1902

Mathematics

Robert Eccles Swain, B.A.

Leland Stanford Junior University 1899,

M.S. Yale University 1901

Physiological Chemistry

Mignon Talbot, B.A.

Ohio State University 1892

Paleontology

Lucy Elizabeth Textor, PH.B.

University of Michigan 1894,

M.A. Leland Stanford Junior Univ. 1895

History

Edward Thorstenberg, B.A.

Bethany College 1899,

M.A. Yale University 1902

German

Edson Newton Tuckey, B.A.

Hamlin College 1893

Economics

Brownlee Robertson Ward, B.A.

Yale University 1888, PH.B. 1889,

M.D. Columbia University 1892

French History

Charles Heald Weller, B.A.

Yale University 1895

Greek

Mary Crowell Welles, B.A.

Smith College 1883

Classics

Monroe Nichols Wetmore, B.A.

Yale University 1888, M.A. 1900

Latin

De Winter, B.L.

University of California 1892,

M.A. Harvard University 1894

English

Andrew Lincoln Winton, PH.B.

Yale University 1884

Botany and Chemistry

John William Withers, B.A.

National Normal University 1891,

M.A. Yale University 1902

Philosophy

Masijiro Yokoyama, M.A.

Yale University 1901

Economics and Finance

George Albert Young, B.S.

McGill University 1898, M.A. 1901

Petrology

HONORARY DEGREES CONFERRED

JUNE, 1904

DOCTORS OF DIVINITY

Rev. Henry Churchill King, B.A.	Rev. Stewart Means, M.A.
Oberlin College 1879	Kenyon College

DOCTORS OF LAWS

Don Cayetano Arellano	William Stewart Halsted, B.A.
	Yale University 1874
Robert Weeks deForest, B.A.	George Chandler Holt, B.A.
Yale University 1870	Yale University 1866
Charles Richard VanHise, B.M.E.	
University of Wisconsin 1879	

DOCTOR OF MUSIC

Frank Heino Damrosch

MASTERS OF ARTS

William Henry Goodyear B.A.	Samuel Edwin Merwin
Yale University 1867	
William Dameron Guthrie	Edgar Gardner Murphy
Rev. Artemas Jean Haynes	Charles Schuchert
George Payne McLean	Trinidad H. Pardo de Tavera

HONORS IN THE SEVERAL DEPARTMENTS

THE ACADEMICAL DEPARTMENT

HONORS IN ALL STUDIES, CLASS OF 1904

PHILOSOPHICAL ORATIONS

FREDERICK ERASTUS PIERCE

DUDLEY FRANK SICHER

LAURENCE SELLING
ARTHUR KINGSLEY PORTER
CLARENCE WHITTLESEY MEN-
DELL
ARTHUR EDWIN NEERGAARD
LAWRENCE MASON

WILLIAM PICKENS
STEWART LEA MIMS
EDWARD LEROY DENNIS
JOSEPH AUSTEN BANCROFT
GUY BURL MORRISON
JOHN SMITH MCFADDEN

HIGH ORATIONS

Seth Weaver Baldwin
William Arthur Brenner
Edwin Clapp
Willard Higley Durham
Herbert William Eales
Harry Glicksman
Herman Charles Groman
Raymond Thompson Hill
Francis Edwin Howland
Henry Strong Huntington

Newell Jennings
Theodore McCurdy Marsh
Fred Maurice Maxwell
Julius Hall Parmelee
Lansing Parmelee Reed
Harry Wilson Reynolds
Arthur Sandiford
Herman Henry Schermerhorn
Bronson Mills Warren

ORATIONS

George Williams Anderson
Thomas Hopper Beardsley
Otis Munro Bigelow, Jr.
Garrett Author Brownback
Howard Wadsworth Church
Frederick Campbell Colston
Jean Valjean Cooke
Charles Alexander Esty
Joseph Alexander Falvey
Harold Irving Gardner
William Dickinson Hart
Arthur Havemeyer
Samuel Burdett Hemingway

William Barri Kirkham
Allen Perry Lovejoy, Jr.
Charles Simonson McCain
Charles Everett Moore
Martin Henry O'Brien
William Law Learned Peltz
Willard Franklin Fitz Randolph
Arthur Bernard Recknagel
Harry Izard Bacon Rice
Brainerd Edwards Smith
William Hyde Warner
Aaron Wittstein

DISSERTATIONS

Louis Horace Arnold
 John Shaw Broeksmit
 Fayette Brown, Jr.
 Harry Frost Burgess
 Frank Callahan
 George Irvin Chadwick
 Robert Elmer Chandler
 Henry Carlton Courten
 Michael Joseph Donahue
 Maude Edwin Dunaway
 Horatio Ford
 Edward Thurston Hiscox, 2d
 James Whitney Knox
 Robson Longwell
 Francis Dominic McShane

Arthur Nilsen
 Maurice Farr Parmelee
 David Lindsey Randall
 William Field Rundel
 John Horace Safford
 Paul Shaffrath
 Henry Wood Shelton
 William Strong Slade
 Norval Burpee Spinney
 Arthur Francis Stoddard Steele
 Harold Hathaway Trusdell
 Karl Watson Warmcastle
 Garrard Bigelow Winston
 Sumner Byrne Woodbridge

FIRST DISPUTES

Frederick Charles Aldinger
 Ralph Chapman Benedict
 Seth Daniels Bingham, Jr.
 William Moll Case
 Everett Dominick
 Philip Goodell
 Alfred Irving Harrington
 Everett Smith Hartwell

Charles Sumner Joy
 James Ely Miller
 John Milton Miller
 Heaton Ridgeway Robertson
 Cornelius Harry Snell
 Walter Bunce Spencer
 Robert Allan Squire

SECOND DISPUTES

Charles Edward Adams
 Charles Edward Beyer
 Walter DeWitt Boggs
 Charles Howe Buck
 Grant Vincent Clark
 Irving Marshall Clark
 Francis Watkinson Cole
 Belton Allyn Copp, Jr.
 Winthrop Murray Crane, Jr.
 Francis Talmage Dodge
 Henry Perkins Erwin
 Stevenson Hume Evans
 Mark Graff Feder
 George Merrill Gelsner
 Franklin Williams Glazier

Alexander Gordon
 Walter Irving King
 Thomas Henry Kirkland
 Charles William Lawrance
 Henry King Love
 Edwin Daniel Peck
 Edgar LeRoy Pond, Jr.
 Pierce Butler Reynolds
 John Jacob Shambaugh
 Kenneth Rae Shand
 Robert Lincoln Smitley
 Edgar Hinton Taylor
 Clayton Wolcott Welles
 Earle Rogers Whipple
 Fred Apgar Wyckoff

FIRST COLLOQUIES

Gerald Edwin Beebe
 James Henry Brewster, Jr.
 Russell Cheney
 Arthur Morton Clifford
 James Hanson Coburn
 Joseph Frederick Cullman, Jr.
 Henry Corwith Dangler
 Thomas Robert Gaines
 Douglas Bannan Greene
 Henry Little Griggs
 Rodney Sheldon Jarvis
 Thomas Lewis Jefferson, Jr.
 Harold Marwick Meech
 Herbert Chauncey Miller
 George Elwood Nichols

Claudius Buchanan Conant
 Ostrom
 William George Powning
 John Markham Riley
 Julius Rockwell
 Barnette Freeman Roe
 Norman Nienstedt Rupp
 Lathrop Smith
 George Stuart Studwell, Jr.
 Chauncey Edwards Treadwell
 Carl Tucker
 Sheldon Eaton Wardwell
 Paul Bessal Welles
 Justice Wilson
 George William Ezra Woodruff

SECOND COLLOQUIES

John Day Ackley
 George Webster Adams
 Christopher Magee Anderson
 William Norbourn Arterburn
 Shelby Williams Bonnie
 John Frederic Byers
 Richard Spencer Childs
 Gerald Chittenden
 George Palmer Christian
 William Darrow Clark
 Maurice Sherman Damon
 Thomas Latham Davis
 Robert Duncan Eggleston
 Denman Fleming Fox
 William Claiborne Hall
 Joseph Horne Holmes
 Percy Hall Jennings
 Chauncey Clark Kennedy

Bayard Urquhart Livingston, Jr.
 Howell Gurney Lord
 William Robert Millar
 George Herbert Mulford
 Hugh Joseph Murphy
 Alexander Holley Olmsted
 John Olmsted
 Edward Stetson Paine
 Nelson Studebaker Riley
 Roger Sands
 Thomas Mallon Shields
 Joseph William Sidenberg
 Edward Collins Stone
 Howard MacGregor Tuttle
 Francis Eames Walton
 James Haydon Wörmelsdorf
 Horace Frederick Zollars

HONORS IN SPECIAL STUDIES

CLASS OF 1904

In Classical Languages and Literature :

Clarence Whittlesey Mendell

In Germanic Languages and Literature :

Howard Wadsworth Church

In Romance Languages and Literature :

Otis Munro Bigelow, Jr.

In English :

Samuel Burdett Hemingway
Lawrence Mason
Edgar LeRoy Pond, Jr.

In Mathematics :

Seth Weaver Baldwin

In Physical and Natural Sciences :

Joseph Austen Bancroft
Guy Burl Morrison
David Lindsey Randall

In History :

Stevenson Hume Evans
Charles William Lawrance
Allen Perry Lovejoy, Jr.
Stewart Lea Mims
Brainerd Edwards Smith

JUNIOR APPOINTMENTS

CLASS OF 1906

PHILOSOPHICAL ORATIONS

HARRY BEAL
DONALD BRUCE
FRANCIS BOLTON ELWELL
JAMES LINWOOD FAWLEY
WILLIAM WALKER GIBSON
PETER GOW

EDMUND GRANT HOWE
WILLIAM PITT McCUNE
STANLEY ROBINSON MACLANE
FARON NELSON WAKEFIELD
EDMUND LEON WARREN

HIGH ORATIONS

John Borden
Herbert Hallock Cutler
Harold Edwin Dimock
John Hampden Dougherty, Jr.
Harold Eberhart Hammond
Harold Wade Headley
Harold Burton Jamison
Harold Fowler Larkin

Henry Wells Lawrence, Jr.
Allen Schuyler Malcolm
Raymond William Osborne
Edward Clarkson Seward, Jr.
Everitt Anthony Sherwood
James Harold Wallis
William Hogencamp Wurts

ORATIONS

William Thompson Bacon
Chester Kingsley Brooks
Robert Lincoln Clark
Samuel Field, Jr.
Lemuel Whittington Gorham
Edward Albert Holaday
William Singer Moorhead
Charles Morse

Stanley Forman Reed
William Goodwin Robinson
William Lord Squire
Edwin Ward Tillotson
Arthur Clarence Williamson
Hugh Robert Wilson
Alexander James Wood

DISSERTATIONS

Raymond Mills Anderson
 Frederick Hayward Beach
 Ralph Blackhurst Bennett
 Alfred Brand
 James Beebee Brinsmade
 Wedworth William Clark
 Frank Collins Downing
 Edwin Rogers Embree

Allen Evarts Foster
 Edmund Rutan Lupton
 Barrington Moore
 Arthur Werner Rinke
 Paul Sheehan
 Charles Terhune Tileston
 Hiram Lee Ward
 Donald Judson Warner, 2d

FIRST DISPUTES

Clarence Edward Andrews
 Timothy Lincoln Bouscaren
 Harold Espe Drew
 Melville Brooks Gurley
 William George Hunt
 Harold Clinton Nelson

Lee James Perrin
 Vernon Dana Price, Jr.
 William Patten Shoemaker
 Carl Warrington Somers
 Spencer Turner
 Chester Burrows VanTassel

SECOND DISPUTES

Ernest Arthur Anderson
 Walter Preston Armstrong
 William Baxter, Jr.
 Arthur Douglas Bissell, Jr.
 John Raymond Brandon
 Ben Overton Brown
 Augustus Wilson Eddy
 James Edwin Ewers
 Benjamin Fitzpatrick
 Mason Anthony Freeman
 John Richard Halsey
 George Cushman Hannahs

Irenus Prime Keith
 Donald Ashbrook McGee
 Henry Graham Meyer
 Robert Wilden Neeser
 Frank O'Brien
 George Braddock Ogle
 Herbert Paul Onasch
 Frank Thurston Pendleton
 Lester Randolph Scovill
 William Buell Sprague
 Arthur Leonard Westcott

FIRST COLLOQUIES

Charles Henry Banks
 Howard Mead Bartlett
 Louis Otto Bergh
 Alvin Chester Breul
 Richard Alexander Cooke
 Walter Hurd Coursen
 Orris Ray Critchlow
 Sidney Bradford Curtiss
 John Gilmore Dunlap
 Grosvenor Ely
 Roger Yale Flanders
 Lincoln Depew Granniss
 Lester Eames Grant
 Crawford Greene
 William Daniels Harris
 Lydig Hoyt
 Towner Kent

Walter Rudolph Koehler
 John Strong Newberry
 Edward Samuel Payton
 William Henry Peters
 Charles Wesley Price
 Warren Edward Price
 Caleb Shreve Ridgeway, Jr.
 Philip Johnston Scudder
 William Brewster Shelton
 Thomas Leonard Shevlin
 Bruce Donald Smith
 Mahlon Daniel Thatcher, Jr.
 Lewis Holmes Tooker
 Harris Walcott
 Richard Edmond Whittlesey
 Richard Farrand Williams
 Russell Seipt Wolfe

SECOND COLLOQUIES

Kenneth Boardman
 Frederick Kingsbury Bull
 Arthur Howard Clark
 Ralph Mortimer Coe
 Theodore Strong Cooley
 Edwin Corning
 Nellis Maynard Crouse
 Dragan Zaharia Daskaloff
 Louis deVierville Dousman
 Horace Farwell Ferry
 John Joseph Finegan
 George Starkweather Fowler
 Walter Phelps Hall
 Benjamin Pomeroy Hamlin
 Dwight Ruggles Perry Heaton
 Morris Hudnut
 Russell Dixon Janney

Albert Rowden King
 George Burwell Leggett
 Stanleigh Winslow Macgurn
 John Gillespie Magee
 Dwight Sterling Mallett
 William Brace Pratt
 James Nichols Robinson
 Foster Harry Rockwell
 Avery Milton Schermerhorn
 Philip Chapin Smith, Jr.
 Guy Thomas Stetson
 George Berger Struby
 James Albert Toole
 William Van Antwerp Water-
 man
 Ralph Wesley Wescott
 Philip Trumbull White

HONORS IN THE STUDIES OF FRESHMAN YEAR

CLASS OF 1907

Fritz George Achelis
 Ernest Schwefel Ballard
 Howard Francis Bishop
 Kenneth McLeod Bissell
 Ambrose Breese, Jr.
 Chester Jackson Briggs
 Ernest Milford Bristol
 Richmond Lennox Brown
 Joseph Herendeen Clark
 William Ellsworth Clow, Jr.
 William Welch Collin, Jr.
 William Ernest Collins
 Seth Turner Crawford
 Forrest Leonard Daniels
 Richard Douglas Davis, Jr.
 Philip Lyndon Dodge
 Liguori Alphonsus Doherty
 Blatchford Downing
 Paul Drucklieb
 Rolland Mooney Edmonds
 Harold Pegram Fabian
 William Everett Fay
 Henry Fleischner
 Philip Lippincott Goodwin
 William Henry Goodwin
 Clarence Russell Hall
 Howard Edmiston Hannum
 Edward Henry Hart
 Gerard Edward Jensen
 Frederick Trowbridge Kelsey
 Horace Ogden Kilbourn
 Karl Wendell Kirchwey
 William Francis Knox
 Ralph Damon Kochersperger

Norman Alvah Leonard
 Harry Sinclair Lewis
 Henry Stow Lovejoy
 Frank Stockton McClintock
 Rufus Sherrell Maddox
 Herbert Lawrence Malcolm
 Philip Lefèvre Morrison
 Edward Theodore Newell
 Frederick Kinney Noyes
 Elbert Ellery Orcutt
 Charles Pomeroy Otis
 Robert Edward Pfeiffer
 Harrison Pierce Rich
 Morgan Thomas Riley
 Donald Mitchell Ryerson
 James Cox Sanderson
 Ansley Wilcox Sawyer
 Frederick Hirsheal Schmidt
 Clarence William Seymour
 Everett Robbins Smith
 Henry Harmon Stevens
 Henry Bartlett Stimson
 George Lewis Sutherland
 Roy Smith Thompson
 Montgomery Hunt Throop
 Thomas Allen Tully
 George Coolidge Tuttle
 Herbert Hamilton Wagenhals
 Henry Freeman Walradt
 Benjamin Webster
 John Alan White
 William Sheldon Whittlesey
 Brainard Hardy Woodward

THE SHEFFIELD SCIENTIFIC SCHOOL

CLASS OF 1904

TWO-YEAR HONORS FOR EXCELLENCE IN ALL STUDIES

Chemical Course :

Frederick William Heyl
Yenovk Hagope Kooyumjian
Louis Henry Levy
Arthur Dorland Miles
Edward Joseph Shanley

Biological Course :

William Waddell Duke
Philip Henry Mitchell

Select Course :

Henry Baldwin Fischer
Leigh Page
Frank Wesley Pitman

Mechanical Engineering Course :

Harold Kenney Beach
Henry Edwards Burgess
Augustus Hull Elliot

Frank Richard Finch
John Hastings Thomas
Dwight Clark Wheeler

Civil Engineering Course :

Joseph Bernstein
Frank Laughton Black
Clarence Moore Blair
Charles Franklin Dike, Jr.
Judson Mather Minor
Herbert James Ord
Alfred Coxe Prime
Ernest Charles Webster
Joseph Dimock Williams

Electrical Engineering Course :

David Henry Miller
Edward Eugene Moran
Clarence Curtiss Perry
Henry Relyea Wakeman

CLASS OF 1905

HONORS FOR EXCELLENCE IN ALL THE STUDIES OF JUNIOR YEAR

Biological Course :

James Whitney Clarke
Robert Lester Waite

Select Course :

Detos Marquis Coen
Donald J. Defrees
Roy Arthur Engleman
Arthur Conkling Jones

Mechanical Engineering Course :

Harry Allen Abbe
Clifford Whitman Bates
William Klein Simpson

Mining Engineering Course :

Worthington Frothingham
Chapman
Max Roesler
Earle Tappan Stannard
Benjamin Franklin Tillson

Civil Engineering Course :

Joseph Warren Cone

Electrical Engineering Course :

Sidney Adler

HONORS IN SPECIAL STUDIES AWARDED TO STUDENTS OF THE JUNIOR
CLASS NOT RECIPIENTS OF GENERAL HONORS

Charles Bissell Alcott
Chemistry
Henry Franklin Brown
Civil Engineering
Guy Louis Chamberlin
Civil Engineering

Darrah Corbet
Mechanical Engineering
Howard Corlies
Chemistry
Charles Edward Fasser
German

Warren Witherell Hilditch

Biology

Charles Walter Lobdell

French

Shelton Edward Martin

French

Hatsuji Mayesawa

Mining Engineering

Samuel Harold Mills

Mechanical Engineering

Samuel James Plimpton

Electrical Engineering

Clarence Horton Sanford

German and English Composition

Samuel Davis Sarason

Mathematics and Spanish

Rudolph Schweizer, Jr.

German

Elliott Hughes Wendell

English

Frank Edward Wilhelm

French

Guy Louis Winthrop, B.A.

Florida State College 1903

French

THE ROGERS SCHOLARSHIP, for excellence in the studies of the Biological Course, awarded to James Whitney Clark

THE MEDICAL SCHOOL

DEGREE OF M.D., *cum laude*

Emanuel Charles Fleischner

Carlos Grout Hilliard, M.A.

Julius Harold Hurst, M.D.

Nathan Tolles Pratt, M.A.

Burton Isaae Tolles, B.A.

THE LAW SCHOOL

DEGREE OF M.L., *magna cum laude*

Yü Chün Chang, LL.B. Yale University 1903

DEGREE OF LL.B., *magna cum laude*

John Harold Sears

Matthew Mills Wood, B.S. University of Pennsylvania

1901, LL.B. New York Law School 1903

William Jefferson Wynn, B.A. Mercer University 1897

DEGREE OF LL.B., *cum laude*

Lloyd Stuart Ackerman

Henry Cotheal Andrews, B.A. Yale University 1899,

M.A. Yale University 1901

Earnest Turrell Bauer, B.A. Yale University 1900

Cogswell Bentley, B.A. Yale University 1900

James Henry Jeffries

Dennis Joseph McCarthy, B.A. Yale University 1898

Frederick Benjamin Merrels, B.A. Yale University 1900

SECOND YEAR CLASS HONORS

Albert Herman Jente, PH.B. Yale University 1902
William Hills Maltbie, B.A. Yale University 1901
Walter Edward Monagan, B.A. Holy Cross College 1902
Charles Cooke Russ, B.A. Yale University 1902
Mason Trowbridge, B.A. Yale University 1902

FIRST YEAR CLASS HONORS

George Stanleigh Arnold, B.A. Yale University 1903
Birdsey Erskine Case
Walter LeRoy Flory, B.L. Denison University 1903
Francis Dustin Hurtt
John William Joy, B.A. Yale University 1901
Thomas Fitzgerald Porter, Jr.
George Jameson Thomson
Burton Parker Twichell, B.A. Yale University 1901
Norman Weil

AWARDS OF PRIZES AND SCHOLARSHIPS

UNIVERSITY PRIZES

JUNE, 1904

CODDEN CLUB MEDAL—Alfred Lyon Spencer, of the Class of 1905, with honorable mention of Philip Goodell, of the Class of 1904.

COOK PRIZE IN POETRY—William Savage Johnson, of the Class of 1900.

EGLESTON HISTORICAL PRIZE—Hubert Bruce Fuller, of the Class of 1901.

PRIZES AWARDED IN YALE COLLEGE

1903-1904

DEFOREST PRIZE MEDAL—Class of 1904, Frederick Erastus Pierce.

TOWNSEND PREMIUMS—Class of 1904, Gerald Chittenden, Willard H. Durham, Arthur B. Recknagel, Dudley F. Sicher, and George W. E. Woodruff.

JOHN HUBBARD CURTIS PRIZE—Class of 1904, divided equally between Alexander Gordon and Allen P. Lovejoy.

JOHN ADDISON PORTER PRIZE IN AMERICAN HISTORY—Class of 1904, 1st Prize, Stewart L. Mims; 2d Prize, Class of 1904, Allen P. Lovejoy, and Class of 1905, Arthur W. Blackman.

- **WINTHROP PRIZES**—Class of 1905, 1st Prize, Raymond H. White; 2d Prize, John E. Bentley.

HENRY JAMES TENEYCK PRIZES (for the Junior Exhibition)—Class of 1905, 1st Prize, Walter D. Myers; 2d Prizes, Herbert L. Bodman, Albert W. Hull, Arthur P. McKinstry, and Cyrus F. Wicker; 3d Prizes, Pierpont V. Davis, William F. Peter, Gardner Richardson, Alfred L. Spencer, and John B. Waite.

THE LUCIUS F. ROBINSON PRIZES IN LATIN—Class of 1904, 1st Prize, Arthur E. Neergaard; 2d Prize, Brainerd E. Smith.—Class of 1905, 3d Prize, John B. Waite.—Class of 1906, 1st Prize, William W. Gibson; 2d Prize, Faron N. Wakefield; 3d Prize, James L. Fawley.

THACHER PRIZES—Class of 1905, A. P. McKinstry; Class of 1906 Louis O. Bergh.

SCOTT PRIZE IN GERMAN—Class of 1905, Henry R. Schenker.

SCOTT PRIZE IN FRENCH—Class of 1905, Gilbert Kinney and John B. Waite.

C. WYLLYS BETTS PRIZE—Class of 1906, William G. Robinson.

DECLAMATION PRIZES—Class of 1906, 1st Prize, Louis O. Bergh; 2d Prize, Raymond M. Anderson.

HONORS IN ENGLISH COMPOSITION—Class of 1906, Harry Beal, Robert L. Clark, Samuel Field, Jr., William W. Gibson, Harold E. Hammond, Edmund G. Howe, William P. McCune, Raymond W. Osborne, William G. Robinson.

BENJAMIN F. BARGE MATHEMATICAL PRIZES—Class of 1906, 1st Prize, Donald Bruce; 2d Prize, Edmund L. Warren; 3d Prize, James L. Fawley.—Class of 1907, 1st Prize, E. M. Bristol; 2d Prize, divided between F. L. Daniels and H. M. Woolsey; 3d Prize, divided between H. A. Foster and F. T. Kelsey.

BERKELEY PREMIUMS IN LATIN COMPOSITION—Class of 1907, 1st grade, Howard F. Bishop, William E. Collins, William H. Goodwin, Frederick T. Kelsey, Philip L. Morrison, Charles P. Otis; 2d grade, Forrest L. Daniels, Richard D. Davis, Jr., Paul Drucklieb, Horace O. Kilbourn, Rufus S. Maddox, Elbert Orcutt, Thomas A. Tully, William S. Whittlesey.

McLAUGHLIN PRIZES—Class of 1907, 1st Prize, Allan E. Updegraff; 2d Prize, Frederick K. Noyes.

WINSTON TROWBRIDGE TOWNSEND PRIZES—Class of 1907, Edward P. Bagg, Jr., Howard F. Bishop, Rolland M. Edmonds.

HUGH CHAMBERLAIN GREEK PRIZE—Class of 1908, Howard Bishop Lewis, who was prepared at the Lewis High School, Southington, Conn.; with honorable mention of William Rockwell Leete, who was prepared at the Hillhouse High School, New Haven; William Lesley Mason, who was prepared at Williston Seminary, Easthampton, Mass.; Charles James McGraw, who was prepared at Williston Seminary, Easthampton; Homer Chidsey Neal, who was prepared at the Lewis High School, Southington; Lewis Hill Weed, who was prepared at the University School, Cleveland, O.

THE SAMUEL HENRY GALPIN LATIN PRIZE—Class of 1908, Albert Edwin Avey, who was prepared at the Woodward High School, Cincinnati, O.

THE CHICAGO SCHOLARSHIP—Class of 1907, Howard Francis Bishop; Class of 1908, George Dahl.

THE PHILADELPHIA SCHOLARSHIP—Class of 1906, James Linwood Fawley.

THE COLORADO PRIZE—Class of 1908, Tyson Manzey Dines.

UNDERGRADUATE SCHOLARS OF THE HOUSE
YALE COLLEGE, 1904-1905

BRISTED Scholar—Class of 1904, CLARENCE W. MENDELL.

WOOLSEY Scholars—Class of 1905, JOHN E. BENTLEY ; Class of 1906,
STANLEY R. MACLANE ; Class of 1907, FREDERICK T. KELSEY.

HURLBUT Scholar—Class of 1907, PHILIP L. MORRISON.

THIRD FRESHMAN Scholar—Class of 1907, CHARLES P. OTIS.

THOMAS GLASBY WATERMAN Scholars—Class of 1905, JOHN E. BENT-
LEY and JOHN C. SLADE.

SCOTT HURTT Scholars—Class of 1905, RAYMOND H. WHITE ; Class
of 1906, JAMES L. FAWLEY.

DANIEL LORD Scholar—Class of 1905, ARTHUR P. MCKINSTRY.

JOHN BENNETTO Scholars—Class of 1905, JAMES J. HOGAN ; Class of
1906, DONALD BRUCE.

ROBERT CALLENDER Scholar—Class of 1906, FARON N. WAKEFIELD.

JOHN J. COX Scholar—Class of 1907, JOHN A. WHITE.

GEORGE BENEDICT SHERMAN Scholar—Class of 1907, WILLIAM E. COL-
LINS.

LEARNED Scholars—Class of 1905, ALBERT W. HULL ; Class of 1906,
PETER GOW.

WALTER JOSEPH AUSTRIAN Scholar—Class of 1907, ROGER B. HULL.

ALBERT BARNES PALMER Scholar—Class of 1908, HILLIER MCCLURE
BURROWES.

MAHLON LONG Scholar—Class of 1908, ROBERT BRUNER UMBERGER.

PRIZES AWARDED IN THE SHEFFIELD SCIENTIFIC
SCHOOL, JUNE, 1904 :

CLASS OF 1904:

For EXCELLENCE IN MECHANICAL ENGINEERING—Divided between
Harold Kenney Beach and John Hastings Thomas.

For EXCELLENCE IN CIVIL ENGINEERING—Divided between Joseph
Dimock Williams and Joseph Bernstein, with honorable mention
of Ernest Charles Webster.

For EXCELLENCE IN ELECTRICAL ENGINEERING—Edward Eugene Moran.

The TUCKER PRIZE IN SANITARY ENGINEERING—Alfred Coxe Prime,
with honorable mention of Herbert James Ord.

THE BELKNAP PRIZE IN NATURAL HISTORY—Divided between William Waddell Duke and Philip Henry Mitchell, with honorable mention of Leigh Page and Frank Wesley Pitman.

CLASS OF 1904:

STUDENTS DISTINGUISHED IN THE DEPARTMENT OF MILITARY SCIENCE—Frank Huntington Phipps, Jr., Springfield, Mass., Clarence Curtiss Perry, New Britain, Conn., and Herbert James Ord, Yonkers, N. Y.

CLASS OF 1906:

FOR EXCELLENCE IN ALL THE STUDIES OF FRESHMAN YEAR—George Frederick Gundelfinger, with honorable mention of William Leroy Ulrich and Reginald Franklin Smith.

FOR EXCELLENCE IN PHYSICS—Divided between George Frederick Gundelfinger and William Leroy Ulrich.

FOR EXCELLENCE IN GERMAN—George Frederick Gundelfinger, with honorable mention of Moses David Nathanson, Israel Simon Kleiner, and Charles Frederick Taylor.

FOR EXCELLENCE IN FRENCH—Burton Irving Drisko, with honorable mention of Walter Phelps Stevens.

FOR EXCELLENCE IN CHEMISTRY—William Leroy Ulrich, with honorable mention of George Frederick Gundelfinger, and Charles Raymond Joseph Neeson.

FOR EXCELLENCE IN MECHANICAL DRAWING—Abbott Lawson Lowe.

FOR EXCELLENCE IN MATHEMATICS—Divided between George Frederick Gundelfinger and George Ritch White, with honorable mention of Israel Simon Kleiner and Willis Sargent Leggett, Jr.

FOR EXCELLENCE IN ENGLISH—Mason Elliott Phelps, with honorable mention of Israel Simon Kleiner, Willett Harold Kellogg, Jr., and William Leroy Ulrich.

FOR EXCELLENCE IN SPANISH—George Ritch White, Carl Frank Speh, and Prince Charles Hopkins.

RECIPIENTS OF THE SHEFFIELD GRADUATE SCHOLARSHIPS

CLASS OF 1904:

Henry Bridges Endicott, Louis Henry Levy, Philip Henry Mitchell, Frank Wesley Pitman, John Andrews Savage, Ernest Charles Webster.

PRIZES AWARDED IN THE SCHOOL OF FINE ARTS, 1904:

WILLIAM WIRT WINCHESTER FELLOWSHIP—Huc Mazelet Luquiens, B.A., with honorable mention of August Spaenkuch.

ALICE KIMBALL ENGLISH PRIZES (Divided, with honorable mention)—Franklin Victory Sikes, B.A., August Spaenkuch, and Alice La Bord Brereton.

JOHN F. WEIR SCHOLARSHIP—Robert Cairns Dobson.

ETHEL CHILDE WALKER PRIZE—Esther Sophia Beers.

PRIZE IN ANATOMY—Huc Mazelet Luquiens, B.A.

PRIZES AWARDED IN THE DEPARTMENT OF MUSIC, 1904:

LOCKWOOD SCHOLARSHIPS—Piano, Mabel Edna Clark ; Organ, Robert A. Laslett Smith.

PRIZES AWARDED IN THE MEDICAL SCHOOL, 1904:

The CAMPBELL GOLD MEDAL—Emanuel C. Fleischner, with honorable mention of Nathan T. Pratt, M.A.

The KEESE PRIZE—Equally divided between Carlos G. Hilliard, M.A., and Nathan T. Pratt, M.A., with honorable mention of Julius H. Hurst, M.D.

PRIZES AWARDED IN THE DIVINITY SCHOOL, 1903-4:

DOWNES PRIZES, awarded at contest of May 31, 1904—Class of 1904, Jacob Henry Yaggy, B.A., Albert Sherburne Baker, B.A. ; Class of 1905, Horace Flavel Holton, B.A., Noble Strong Elderkin, B.A.

FALL TERM, 1903.

FOGG SCHOLARSHIPS—Class of 1904, Shirley Jackson Case, B.A., George Dewitt Castor, B.A., Harold Bruce Hunting, B.A. ; Class of 1905, Hermon Fiske Bell, B.A., George Hibbert Driver, B.A., Henry Hoadly Guernsey ; Class of 1906, Marion LeRoy Burton, B.A.

ALLIS SCHOLARSHIPS—Class of 1904, Judson Lewis Cross, B.A., William James Hail, B.A., Ernest Frank McGregor, B.A., Albert Wentworth Palmer, B.L. ; Class of 1905, Timon Evans Owens, B.A., David Edward Thomas.

WINTER TERM, 1904.

FOGG SCHOLARSHIP—Class of 1904, Shirley Jackson Case, B.A., George Dewitt Castor, B.A., Ernest Graham Guthrie, B.A.; Class of 1905, George Hibbert Driver, B.A., Henry Hoadly Guernsey; Class of 1906, Marion LeRoy Burton, B.A., Edward Evans, Jr., B.A., Lucius Chapin Porter, B.A.

ALLIS SCHOLARSHIPS—Class of 1904, Judson Lewis Cross, B.A., Harold Bruce Hunting, B.A., Albert Wentworth Palmer, B.L.; Class of 1905, Hermon Fiske Bell, B.A., William Rodman Hamlin, B.A.; Class of 1906, Charles Lyon Hill, B.A.

PRIZES AWARDED IN THE LAW SCHOOL, JUNE, 1904

The TOWNSEND PRIZE—William Jefferson Wynn, B.A.

The JOSEPH PARKER PRIZE—Israel Nelson, B.A.

The THIRD YEAR PRIZE—William Jefferson Wynn, B.A.

The MUNSON PRIZE—John Harold Sears.

The JEWELL PRIZE—Walter Edward Monagan, B.A.

The BETTS PRIZE—Burton Parker Twichell, B.A.

The WAYLAND PRIZES—

First. Patrick Frank McDonough.

Second. Daniel Francis Conway.

Third. Charles Asaph Roberts, B.A.

KENT CLUB DIPLOMAS for excellence in debate in the regular exercises of the Yale Kent Club were awarded to the following members of the Third Year class—

Daniel Francis Conway.

John J. Fisher, B.A. Beloit College 1900.

William Tuite Keleher.

Samuel Charles Kone.

Patrick Frank McDonough.

George Edward Mix.

William Joseph Mulligan.

John Harold Sears.

PART VII

**LISTS OF STUDENTS, DIRECTORY
AND INDEX**

LISTS OF STUDENTS

DEPARTMENT OF PHILOSOPHY AND THE ARTS

GRADUATE SCHOOL

[The major subject of study is stated in each case. Students marked "A." are pursuing courses of study in absence under the direction of the Faculty for the degree of Master of Arts, Mechanical Engineer, or Civil Engineer.]

Anna Heloise Abel, B.A. Kansas University 1898, M.A. 1900	Salina, Kans.	721 Elm st. History
Arthur Adams, B.A. Rutgers College 1902, M.A. Yale University 1903	Ocean City, N. J.	124 Park st. English
Walter Maxwell Adriance, B.A. Yale University 1900, M.A. 1903	St. Louis, Mo.	119 Wall st. Economics
Hubert Hillary Suffern Aimes, PH.B. Yale University 1897	W. Haven, Conn.	267 Orange st. History
Maria Hawes Albee, B.A. Bryn Mawr College 1904	New Haven, Conn.	356 Howard av. Greek
Frederick Charles Aldinger, B.A. Yale University 1904	Pringhar, Iowa	14 Whalley av. Philosophy and History
Charles Roberts Aldrich, B.A. Yale University 1903	El Paso, Tex.	A. English
Luther Anderson, B.A. Bethany College 1899, B.A. Yale University 1903, M.A. 1904	Lindsborg, Kans.	310 York st. History
William Gilbert Anderson, M.D. Western Reserve Univ. 1883, B.A. Yale University 1902, M.A. 1903	Cleveland, O.	1187 Chapel st. Physiology
Irving Atwater Andrew, PH.B. Yale University 1903	Orange, Conn.	Orange Chemistry
Anna Margaret Arbuckle, B.A. Grove City College 1904	New Haven, Conn.	33 Howard av. English
Frances Arnold, B.A. Knox College 1895, M.A. Wellesley College 1900	Galesburg, Ill.	70 Howe st. English

- Raymond Harman Ashley, B.S. *Bound Brook, N. J.* 102 York sq.
Rutgers College 1903 Chemistry
- Herbert Bassett Augur, B.A. *Portland, Oregon* A.
Yale University 1897 History
- Edward Monroe Bailey, Jr., PH.B. *Middletown, Conn.* 297 York st.
Yale University 1902 Physiological Chemistry
- Arthur Shinkle Baker, B.A. *New Haven, Conn.* 92 Park st.
Lafayette College 1903, Latin
B.A. Yale University 1904
- George Merrick Baker, B.A. *New Haven, Conn.* 107 York st.
Yale University 1900 German
- Cecil Kittredge Bancroft, B.A. *Andover, Mass.* 213 D.
Yale University 1891 Classics
- Joseph Austin Bancroft, B.A. *Acaciaville, N. S.* 569 P.
Acadia University 1903, Geology
B.A. Yale University 1904
- Kate Grace Barber, B.S. *Carolina, R. I.* 136 Division st.
Rhode Island College 1903 Botany
- Julian Thomas Barclay, B.A. *Bethany, W. Va.* 109 York st.
Bethany College (W. Va.) 1898, M.A. 1902, Romance Languages
M.A. Yale University 1903
- Mary Eleanor Barrows, B.A. *Oberlin, O.* 84 Wall st.
Smith College 1897 English
- Samuel Eliot Bassett, B.A. *New Haven, Conn.* 168 Sheffield av.
Yale University 1898 Classical Philosophy
- Gerald Hamilton Beard, B.A. *New Haven, Conn.* 624 E. D.
Yale University 1887, B.D. 1890, PH.D. 1892 Chemistry and Biology
- Allen Rogers Benham, B.A. *St. Paul, Minn.* 119 Park st.
University of Minnesota 1900, M.A. 1901 English
- Gilbert Giddings Benjamin, PH.B. *Buffalo, N. Y.* 387 Temple st.
Syracuse University 1899, History
M.A. Yale University 1904
- Stephen Alexander Bennett, B.A. *Birmingham, Ala.* 72 Edgewood av.
Talladega College 1900, Mathematics
B.A. Yale University 1904
- Maxime Lucian Bergeron, B.A. *New York City* 124 Park st.
College of City of New York 1903, Romance Languages
M.A. Yale University 1904
- Barnett Berman, LL.B. *New Haven, Conn.* 41 Broad st.
Yale University 1904 English

Mary Florence Berry, B.A. Mt. Holyoke College 1901	Portland, Me. 70 Howe st. Fine Arts
Bernard Barton Bigelow, PH.B. Ohio State University 1903	Findlay, O. 42 Lake pl. Sociology and Economics
Alfred Hoyt Bill, B.A. Yale University 1903	Plainfield, N. J. A. English
Seth Daniel Bingham, Jr., B.A. Yale University 1904	Naugatuck, Conn. 685 W. D. Music
Avard Longley Bishop, B.A. Acadia University 1901, B.A. Yale University 1903, M.A. 1904	Lawrencetown, N. S. 120 York st. Economics
Jacob Foster Bitner, B.A. Franklin and Marshall College 1904	Spring Mills, Pa. 42 Lake pl. Botany
Harold Cornelius Bradley, B.A. University of California 1900	Berkeley, Cal. 2 Hillhouse av. Physiological Chemistry
Walter Minor Bradley, PH.B. Yale University 1899	New Haven, Conn. 1346 Chapel st. Mineralogy
David William Brandelle, B.A. Augustana College 1899, M.A. University of Minnesota 1902	Portland, Conn. 855 State st. History
Mercy Agnes Brann, B.A. Colby College 1897	Dover, Me. Hartford English
Henrietta Foster Brewer, B.A. University of California 1895	Oakland, Cal. 61 Trumbull st. Latin and Greek
Howard Stanley Bristol, PH.B. Yale University 1902	Meriden, Conn. 162 S. L. Chemistry
Ralph Bristol, B.A. Yale University 1903	Ansonia, Conn. A. English and Economics
Herbert Stanley Brown, B.A. Yale University 1881, B.D. 1886	Darien, Conn. Darien Biblical Literature
James Brown, B.A. Yale University 1902, M.A. 1903	Buffalo, N. Y. 230 D. Chemistry
Douglas Lord Bryant, PH.B. Yale University 1903	West Haven, Conn. West Haven Chemistry and Metallurgy
Frederick Merwin Burgess, B.A. Yale University 1897	New Haven, Conn. 274 Dixwell av. English
Harry Frost Burgess, B.A. Yale University 1904	New Haven, Conn. 20 Brown st. Modern Languages
Otto Whitmore Burtner, B.A. Otterbein University 1898, B.D. Union Biblical Seminary 1901	Washington, D. C. 628 E. D. Biblical Literature

Robert Burton, B.A. Blackburn College 1904	<i>Carlinville, Ill.</i>	333 York st. Economics
Charlotte Marion Bush, B.L. Western Reserve University 1898	<i>West Haven, Conn.</i>	West Haven English
William Kernan Camblos, B.A. St. Joseph's College (Phil.) 1904	<i>Philadelphia, Pa.</i>	333 York st. Political Science
Edward Herbert Cameron, B.A. Acadia University 1900, B.A. Yale University 1903, M.A. 1904	<i>Yarmouth, N. S.</i>	120 York st. Philosophy
Marian Dickinson Campbell, B.A. Radcliffe College 1899	<i>Middlefield, Conn.</i>	331 Temple st. English
Henry Seidel Canby, PH.B. Yale University 1899	<i>Wilmington, Del.</i>	3 B. M. H. English
Edward Aloysius Carlin, LL.B. Yale University 1904	<i>New Haven, Conn.</i>	215 Davenport av. History
David Hobart Carnahan, B.A. University of Illinois 1896, M.A. 1898, M.A. Yale University 1904	<i>Minneapolis, Minn.</i>	Paris, France French
Virginus Nelson Carney, B.A. Lincoln University 1899, B.D. Yale University 1904	<i>Chicago, Ill.</i>	618 E. D. Philosophy
Walter Orestes Cartwright, B.A. Brown University 1881	<i>Wallingford, Conn.</i>	Wallingford Philosophy
Shirley Jackson Case, B.A. Acadia University 1893, M.A. 1896, B.D. Yale University 1904	<i>Hatfield Point, N. B.</i>	684 W. D. Biblical Literature
Lacey Davis Caskey, B.A. Yale University 1901	<i>Southport, Conn.</i>	542 P. Classics
George Dewitt Castor, B.A. Drury College 1898, M.A. 1903, B.D. Yale University 1904	<i>New Haven, Conn.</i>	339 York st. Biblical Literature
George Irwin Chadwick, B.A. Yale University 1904	<i>Newton, N. J.</i>	606 E. D. History
Joseph Hayes Chandler, B.A. Yale University 1877	<i>Fond du Lac, Wisc.</i>	A. Biblical Literature
Adelbert Putnam Chapman, B.A. Yale University 1865	<i>Northfield, Conn.</i>	602 E. D. Botany
Muriel Esther Chase, M.A. Bates College 1899	<i>Lewiston, Me.</i>	70 Howe st. English
George Frederic Chatfield, PH.B. Yale University 1903	<i>New Haven, Conn.</i>	268 Humphrey st. Chemistry

Chin-tao Chen, M.S. University of California 1902	Canton, China	127 Howe st. Economics
Raymond Gilmore Clapp, B.A. Boston University 1900, B.D. Yale University 1903, M.A. 1904	South Boston, Mass.	Germany Biblical Literature
Samuel Hopkins Clapp, B.A. Yale University 1901	Pawtucket, R. I.	721 W. D. Chemistry
Alexander Ray Clark, Jr., B.A. Yale University 1895	New York City	A. Economics
Harold Terry Clark, B.A. Yale University 1903	Ansonia, Conn.	A. German
Harry Henderson Clark, B.A. Yale University 1903	Winchester, Tenn.	A. Economics
Stephen Carlton Clark, B.A. Yale University 1903	Cambridge, Mass.	A. English
Elizabeth Whittlesey Cleaveland, PH.B. Chicago University 1902	Lakeville, Conn.	89 Whalley av. English
Ralph Oakley Clock, PH.B. Yale University 1901, M.D. University of Pennsylvania 1904	New York City	2 Hillhouse av. Biology
Oliver Eugene Closson, PH.B. Yale University 1903	Meriden, Conn.	466 FW. Physiological Chemistry
Jesse Conklin Coddington, B.D. Yale University 1904	Falls Village, Conn.	Falls Village Biblical Literature
Frederick Sears Coe, PH.B. Yale University 1899	Newark, N. J.	A. Mechanical Engineering
Charles Edward Cory, PH.B. Drake University 1901, M.A. 1902, M.A. Yale University 1903	Des Moines, Iowa	14 Whalley av. Philosophy
Henry Carleton Courten, B.A. Yale University 1904	Palmyra, N. Y.	387 Temple st. Physiological Chemistry
Donald John Cowling, B.A. Lebanon Valley College 1902, B.A. Yale University 1903, M.A. 1904	Scottsdale, Pa.	692 W. D. Philosophy
William Bronson Cramer, PH.B. Yale University 1902	New Haven, Conn.	147 Dwight st. Chemistry
Alfred Miller Cressler, B.A. Yale University 1902	Fort Wayne, Ind.	A. English
David Raymond Curtiss, B.A. University of California 1899, M.A. 1901, PH.D. Harvard University 1903	New Haven, Conn.	220 Lawrence st. Mathematics

- Frank William Cushwa, B.A. *Martinsburg, W. Va.* Wallingford
West Virginia University 1902, M.A. 1903, English
M.A. Harvard University 1904
- Haroutune Mugurdich Dadourian *Tarsus, Asia Minor* 131 High st.
B.A. St. Paul's Institute, Tarsus, Physics
Ph.B. Yale University 1903
- William Enright Davenport, B.A. *Bridgeport, Conn.* Bridgeport
Yale University 1899 Music
- Carl Willis Davis, B.A. *Hartford, Conn.* A.
Yale University 1902 English
- Sidney Norton Deane, B.A. *Northfield, N. Y.* Athens, Greece
Yale University 1902 Classics
- Charles Franklin Dike, Ph.B. *Crystal Lake, Ill.* 114 High st.
Yale University 1904 Mining Engineering
- William Le Roy Dix, B.A. *Ossining, N. Y.* A.
Yale University 1902 English
- Loring Holmes Dodd, B.A. *New Haven, Conn.* 82 Admiral st.
Dartmouth College 1900, English
M.A. Columbia University 1901
- Arthur Douglas Dodge, B.A. *Simsbury, Conn.* A.
Yale University 1903 English
- Samuel William Dudley, Ph.B. *New Haven, Conn.* 671 W. D.
Yale University 1900, M.E. 1903 Mechanical Engineering
- Marcus Homer Duncan, B.A. *Wylie, Texas* 291 Norton st.
Baylor University 1899, Economics and Political Science
B.A. Yale University 1902
- Edward Lewis Durfee, B.A. *New Haven, Conn.* 95 Cottage st.
Yale University 1896 History
- Willard Higley Durham, B.A. *Holland Patent, N. Y.* 716 W. D.
Yale University 1904 English
- Alba M. Edwards, B.A. *Norman, Okla.* 706 W. D.
University of Oklahoma 1903 Social Science
- Richard Ellis, B.A. *New York City* A.
Yale University 1885, Latin
M.D. New York University 1888
- Clara Eliza Emerson, B.A. *Beloit, Wisc.* 89 Whalley av.
Wellesley College 1891 English
- Henry Bridges Endicott, Ph.B. *Swarthmore, Pa.* 126 Wall st.
Yale University 1904 Sanitary Engineering

Ida Josephine Everett, B.L. Mt. Holyoke College 1893	Norwood, Mass. English	32 Howe st.
Oscor Robert Olsen Farel, B.A. Denison University 1902	Forest City, Iowa Philosophy and Sociology	655 W. D.
William Oliver Farnsworth, B.A. Harvard University 1893, M.A. 1894	New Haven, Conn. Romance Philology	52 Grove st.
Mansfield Ferry, B.A. Yale University 1903	Cambridge, Mass. English	A.
Charles Paxson Flora, B.A. Yale University 1902	Columbia, Pa. Chemistry	Kent Lab'y
Joseph Fogelberg, B.A. Bethany College 1899	Lindsborg, Kans. German	128 Wall st.
Edmund Clark Forsythe, B.A. Colgate University 1904	Little Falls, N. Y. History	57 Court st.
Charles Root Fowler, B.A. Yale University 1899	New Haven, Conn. Music	851 Chapel st.
George Levi Fox, B.A. Yale University 1874, LL.B. 1879, M.A. 1885	New Haven, Conn. Latin and Greek	7 College st.
Arthur James Gammack, B.A. Trinity College, Toronto, 1891, M.A. 1902	West Haven, Conn. Biblical Literature	West Haven
Maxwell Ganter, B.A. Kenyon College 1904	Akron, O. English	1161 Chapel st.
Aristide William Giampietro, B.A. Alessandro Maryoni's Gymnasium 1895, M.A. 1898, D.D. Gregorian University (Rome) 1903	Stamford, Conn. Latin	12 Elliott st.
Robert Banks Gibson, PH.B. Yale University 1902	New Haven, Conn. Physiological Chemistry	18 Trumbull st.
Arthur Harmount Graves, B.A. Yale University 1900	Hartford, Conn. Botany	91 Grove st.
Arthur Llewellyn Griffiths, B.A. Yale University 1901	Squirrel Island, Me. English	A.
Albert Edward Gubelman, B.A. University of Rochester 1897, M.A. 1900, M. A. Yale University 1902	Rochester, N. Y. German	279 Crown st.
Ernest Graham Guthrie, B.A. University of New Zealand 1900, M.A. 1901, B.D. Yale University 1904	Dunedin, N. Z. Biblical Literature	680 W. D.
Ernest Hawley Haig, B.L. Carleton College 1901	Devil's Lake, N. D. Biblical Literature	711 W. D.

- William James Hail, B.A.** *Wakayama, Japan* 695 W. D.
Missouri Valley College 1899, Church History
B.D. Yale University 1904
- Will Taliaferro Hale, B.A.** *Mobile, Ala.* 693 W. D.
Vanderbilt University 1902, M.A. 1902 Biblical Literature
- Lars Johan Evald Hallander** *Sköfde, Sweden* 65 Lyon st.
Nya Elementarskolan, Stockholm 1891, German
Upsala University, Sweden 1893,
M.A. Yale University 1904
- Alice Bradford Hammond, B.A.** *New Haven, Conn.* 43 Orchard st.
Bryn Mawr College 1898 Latin
- William Allen Harper, B.A.** *Elon College, N. C.* 539 Elm st.
Elon College 1899, Latin
M.A. Yale University 1904
- Herman Fermain Harris, B.A.** *Columbia, Mo.* Mem. Hall
University of Wooster 1894, M.A. 1897 Classics
- Isaac Faust Harris, B.S.** *New Haven, Conn.* 123 Huntington st.
University of North Carolina 1900, M.S. 1903 Physiol. Chemistry
- Ernest Hausberg, B.A.** *Charles City, Iowa* A.
Yale University 1901 English
- George Edmund Haynes, B.A.** *Hot Springs, Ark.* 665 W. D.
Fisk University 1903, Social Science
M.A. Yale University 1904
- Laurent Heaton, B.A.** *Poughkeepsie, N. Y.* A.
Yale University 1902 Electricity
- Constans Alexis Hembury, B.A.** *Moline, Ill.* 1161 Chapel st.
Augustana College 1899, English
Ph.B. University of Michigan 1900, M.A. 1901
- Samuel Burdett Hemingway, B.A.** *New Haven, Conn.* 327 Temple st.
Yale University 1904 English
- Esther Hemphill, Ph.B.** *South Charleston, O.* 45 Lake pl.
University of Wooster 1903 Philosophy
- Arthur Frederic Hertell, B.A.** *Macomb, Ill.* 333 York st.
Doane College 1889, M.A. 1892, History
B.D. Lutheran Seminary 1895,
M.A. Yale University 1904
- Frederick William Heyl, Ph.B.** *New Haven, Conn.* 106 Wooster st.
Yale University 1904 Chemistry
- John Joseph Higgins, B.A.** *New Haven, Conn.* 569 Grand av.
Yale University 1898 Chemistry
- Albert Hileman, B.A.** *Frankstown, Pa.* 606 E. D.
Yale University 1903 Chemistry

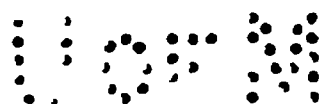
Raymond Thompson Hill, B.A. Yale University 1904	<i>Branford, Conn.</i> Romance Languages	202 D.
Gay Hills, B.A. Dartmouth College 1904	<i>Swansey, N. H.</i> Botany	25 Whalley av.
Ichiro Hirano, B.A. Kelogijiku University 1902	<i>Tokyo, Japan</i> Economics	1161 Chapel st.
Jiunnosuke Hitomi, B.A. Waseda University 1896	<i>Kyoto, Japan</i> Political Economy	378 Crown st.
Harry Oliver Hofstad, B.A. Yale University 1903, M.A. University of Michigan 1904	<i>No. Anson, Me.</i> Sociology and History	689 W. D.
Melvin Tilden Holbrook, B.A. Yale University 1899	<i>So. Byfield, Mass.</i> Classics	A.
Francis Jerome Holder, B.S. National Normal University 1896	<i>Lacrosse, Fla.</i> Mathematics	Mem. Hall
Lucius Hudson Holt, B.A. Yale University 1902, M.A. 1904	<i>Hartford, Conn.</i> English	1568 Chapel st.
Roy Mac Houghton, B.A. Olivet College 1902	<i>Lainsburg, Mass.</i> English and Biblical Literature	704 W. D.
James Ashworth Howarth, LL.B. Yale University 1896	<i>New Haven, Conn.</i> Botany	34 Vernon st.
Albert Kemp Hubbard, PH.B. Yale University 1901	<i>Kane, Pa.</i> Civil Engineering	A.
John Wilson Hunt, M.D. Yale University 1904	<i>Olathe, Kans.</i> German	N. H. Hospital
Albert S. Hurst, B.A. University of Toronto 1899, M.A. Yale University 1904	<i>Morpeth, Ontario</i> Philosophy	Bridgeport
Frederick William Hudson Jacomb, B.A. University of Toronto 1896, M.A. 1898	<i>Guelph, Ontario</i> Botany	153 Dwight st.
D L James, B.A. Yale University 1902	<i>Kansas City, Mo.</i> Modern Languages	A.
Hopkin Jenkins, B.A. Yale University 1900, LL.B. Univ. Oregon 1902	<i>Portland, Oregon</i> History	A.
Carl Oscar Johns, B.A. Bethany College 1899, M.A. 1902, PH.B. Yale University 1904	<i>Paterson, N. J.</i> Chemistry	162 S. L.
William Savage Johnson, B.A. Yale University 1900	<i>Meriden, Conn.</i> English	122 Howe st.

Donald Kent Johnston, B.A. Yale University 1903	New York City Sociology	A.
John Francis Johnston, PH.B. Illinois Wesleyan University 1898, M.A. 1901, PH.D. 1902	Glencoe, Canada Biblical Literature	Yale Station
Daniel Edwards Kennedy, B.A. Yale University 1903	Nashua, N. H. English	A.
Martha Mason Kennerly, B.S. Adelphi College 1903	White Post, Va. Biology	45 Lake pl.
Andrew Keogh, M.A. Yale University 1904	New Haven, Conn. Modern Languages	751 George st.
Edwin Burruss King, B.A. Yale University 1898	Southboro, Mass. English	A.
Junichiro Kinoshita, B.L. Meiji University 1878, Doshisha College 1897	Tokyo, Japan Social Science	919 Howard av.
Lucian Swift Kirtland, B.A. Yale University 1903	Poland, O. English	A.
Arthur Potter Knight, PH.B. Yale University 1901	Rome, N. Y. Sanitary Engineering	A.
Joseph Lehn Kreider, B.S. Lebanon Valley College 1902	Annville, Pa. Chemistry	Kent Lab'y
Beverly Waugh Kunkel, PH.B. Yale University 1901	Harrisburg, Pa. Biology	720 W. D.
George Herbert Lamson, Jr., B.S. Boston University 1903	East Hampton, Conn. Entomology	64 Lake pl.
William Gilbert Lathrop, B.A. Brown University 1889, B.D. Yale University 1892	Shelton, Conn. Social Science	Shelton
Ellis Earl Lawton, B.S. University of Rochester 1902	Syracuse, N. Y. Physics and Mathematics	120 York st.
Floyd Swallow Leach, B.A. Wesleyan University 1902	Chinchilla, Pa. Bibl. Lit. and Semit. Lang.	645 E. D.
Bertram Augustus Lenfest, B.S. Mass. Institute Technology 1890	New Haven, Conn. Philosophy	217 English st.
Frederick Lent, B.A. Brown University 1900, M.A. 1901, B.D. Newton Theol. Institute 1900	New Bedford, Mass. Biblical Literature	177 Lawrence st.
Louis Henry Levy, PH.B. Yale University 1904	New Haven, Conn. Chemistry	138 Minor st.

Dudley Payne Lewis, B.A. Yale University 1903	New York City Biblical Literature	A.
Edwin Colby Lewis, B.A. Yale University 1901	St. Johnsbury, Vt. Economics	A.
William Albert Lilley, Jr., PH.B. Yale University 1903	New Haven, Conn. 37 College st. Mechanical Engineering	
Gerald Francis Loughlin, B.S. Mass. Institute Technology 1903	Boston, Mass. 73 Lake pl. Geology	
Herman Samuel Lovejoy, B.S. Dartmouth College 1894	Branford, Conn. Branford Philosophy	
George Blakeman Lovell, B.A. Yale University 1901, M.A. 1903	New Haven, Conn. 91 Dwight st. Pedagogy	
Lewis Davies Lowe, B.A. Emory College 1899, B.D. Vanderbilt University 1903, M.A. 1904	Lavonia, Ga. 612 E. D. Philosophy	
Frederick Ludwig Hermann von Lubken, B.A. Oberlin College 1902	New York City 135 College st. English and Biblical Literature	
Frederick Bliss Luquiens, B.A. Yale University 1897	New Haven, Conn. 201 Bishop st. Romance Languages	
Huc Mazelet Luquiens, B.A. Yale University 1902	New Haven, Conn. Paris, France Fine Arts	
Willard Blackinton Luther, B.A. Yale University 1902	Providence, R. I. A. English	
Helen Mowry Lyman, B.A. Mt. Holyoke College 1901	West Brookfield, Mass. 90 Whalley av. Education	
Thomas McCandless, B.A. Yale University 1900, B.D. 1903	Aiken, S. C. A. Semitic Languages	
Raymond Benedict McClenon, B.A. Yankton College 1902	Brookings, S. D. 366 Whalley av. Mathematics	
Elmer Verner McCollum, B.A. University of Kansas 1903, M.A. 1904	Lawrence, Kans. 285 Willow st. Chemistry	
George Grant MacCurdy, B.A. Harvard University 1893, M.A. 1894	New Haven, Conn. 237 Church st. Anthropology	
Ernest Frank McGregor, B.A. University of Minnesota 1901, B.D. Yale University 1904	Avon, Conn. 684 W. D. Social Science	
John Graham McIvor, M.A. University of Glasgow 1883, B.D. 1885	Halifax, N. S. 688 W. D. Biblical Literature	

Mary Elizabeth MacLean, PH.B. University of California 1889	Oakland, Cal.	83 Grove st. English
Charles Bell McMullen, B.A. Tarkio College 1894, B.A. Princeton University 1896, M.A. 1901, B.D. 1901	Tarkio, Mo.	64 Lake pl. Philosophy
Albert Alonzo Madsen, B.A. Moravian College 1900, B.D. 1902, B.D. Yale University 1903, M.A. 1904	Grand Rapids, Wisc.	682 W. D. Bibl. Lit. and Semit. Lang.
Elizabeth Wheeler Manwaring, B.A. Wellesley College 1902	Bridgeport, Conn.	Bridgeport English
Harriette Parnal Marsh, PH.B. University of Chicago 1904	New Haven, Conn.	89 Whalley av. History
Herbert Martin, B.A. Kentucky University 1899, M.A. 1900	Lexington, Ky.	102 DeWitt st. Philosophy
Roy Murdoch Mason, B.A. Yale University 1902	New York City	A. English
Ralph Nelson Maxson, B.S. Rhode Island State College 1902	Westerly, R. I.	387 Crown st. Chemistry
Colton Maynard, B.A. Yale University 1901, M.A. 1904	Washington, D. C.	Cheshire History and English
Clarence Whittlesey Mendell, B. A. Yale University 1904	Roxbury, Mass.	75 S. M. Greek
Antonio Mendoza, PH.B. Yale University 1903	Havana, Cuba	88 Wall st. Chemistry and Engineering
George Albert Menge, PH.B. Yale University 1903	New Haven, Conn.	114 Howe st. Chemistry
Ernest Loren Meritt, B.A. Wesleyan University 1891, M.A. Yale University 1903	West Eaton, N. Y.	435 Elm st. Greek
Walter Eugene Meyer, B.A. Yale University 1901, LL.B. Harvard University 1904	New York City	A. English
Arthur Dorland Miles, PH.B. Yale University 1904	New Carlisle, Ind.	98 York sq. Mineralogy and Geology
Hiram Miller, PH.B. Yale University 1901	Middlefield, Conn.	A. Sanitary Engineering
John Milton Miller, B.A. Yale University 1904	Bridgeport, Conn.	72 S. M. Physics and Mechanical Engineering
Stewart Lea Mims, B.A. Yale University 1904	Durham, N. C.	716 W. D. History

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|---|---|
| Tadasu Misawa, B.A.
Tokyo Imperial University 1904 | Hyuga, Japan
105 Park st.
Philosophy |
| Philip Henry Mitchel, PH.B.
Yale University 1904 | South Britain, Conn. 98 York sq.
Physiology and Physiol. Chemistry |
| Seth Enoch Moody, B.S.
Dartmouth College 1898,
M.S. Yale University 1904 | Agency, Iowa 143 Dwight st.
Chemistry |
| Frank Wood Moore, B.A.
Yale University 1903 | Elizabeth, N. J. Dwight Hall
Modern Languages |
| Henry Thomas Moore, B.A.
Missouri University 1903, M.A. 1904 | Carrollton, Mo. Mem. Hall
Romance Languages |
| Sydney Luard Moore, B.A.
Princeton University 1904 | New Haven, Conn. 22 Whalley av.
Botany |
| James Caddall Morehead, B.A.
Roanoke College 1898, M.A. 1899,
M.S. Princeton University 1900 | Salem, Va. 310 York st.
Mathematics |
| Alfred Lee Morgan, B.A.
Oberlin College 1900 | Wilton, Conn. 933 Elm st.
Economics and Social Science |
| Russell Mott, B.A.
Yale University 1901,
LL.B. Harvard University 1904 | Michigan City, Ind. A.
English |
| Harry Sylvester Mullens, PH.B.
Wadsworth Military College 1902 | New York City 59 Grove st.
Social Science |
| Herbert Spencer Murch, B.A.
University of Oregon 1898,
M.A. Yale University 1903 | Coburg, Oregon 1233 Chapel st.
English |
| Suyekichi Nakagawa
Tokyo Semmon Gakko 1899 | Tokyo, Japan 330 Crown st.
Economics |
| Louis Philip Nash, M.A.
Amherst College 1901 | Holyoke, Mass. Holyoke
Philosophy |
| George Henry Nettleton, B.A.
Yale University 1896, PH.D. 1900 | New Haven, Conn. 339 Prospect st.
Modern Languages |
| Elise NeuenSchwander, B.A.
Kansas State University 1898 | Wakeeney, Kans. 723 Elm st.
Romance Languages |
| Howard Douglas Newton, B.S.
Boston University 1904 | Interlaken, Mass. 42 Lake pl.
Chemistry |
| George Elwood Nichols, B.A.
Yale University 1904 | New Haven, Conn. 565 P.
Botany |
| Watson Nicholson, B.A.
Leland Stanford Junior Univ. 1892,
M.A. Harvard University 1895,
PH.D. Yale University 1903 | New Haven, Conn. 341 Crown st.
English |



Wallace Notestein, B.A. University of Wooster 1900, M.A. Yale University 1903	Wooster, O. 1233 Chapel st. History
Keiichi Okami Japanese Peers College 1903	Tokyo, Japan 925 Howard av. Economics
Masakumi Okudairo Japanese Peers College 1903	Tokyo, Japan 159 York st. Economics
Herbert James Ord, PH.B. Yale University 1904	Yonkers, N. Y. 126 Wall st. Civil Engineering
Mary Annie Pace, B.L. Baylor University 1899, PH.M. University of Chicago 1902	Temple, Texas 131 Dwight st. Philosophy
Andrew Dickson Packer, B.A. Yale University 1902	Brooklyn, N. Y. A. English
Elisabeth Hatch Palmer, B.A. Wellesley College 1887	Ipswich, Mass. 445 George st. Greek and Latin
William White Wilson Parker, B.A. Yale University 1893	Washington, D. C. A. History
Julius Hall Parmelee, B.A. Yale University 1904	New Haven, Conn. 202 D. Economics
Clarence Curtiss Perry, PH.B. Yale University 1904	New Britain, Conn. 686 W. D. Electrical Engineering
Walter Hart Perry, B.A. Yale University 1901	Oxford, Conn. Oxford History and Political Science
Conrad Albin Peterson, B.A. Augustana College 1901, M.A. Yale University 1903	Arlington, N. J. 855 State st. History
Lemuel Gardner Pettee, B.A. Yale University 1898	Simsbury, Conn. A. Economics
Frederick Erastus Pierce, B.A. Yale University 1904	So. Britain, Conn. 1076 Chapel st. English
Albert Halsey Pierson, B.A. Princeton University 1897	East Orange, N. J. 42 Lake pl. Botany
Frank Wesley Pitman, PH.B. Yale University 1904	New Haven, Conn. 119 Gilbert av. History
Henry Burton Pomeroy, B.A. Yale University 1903	New York City A. English
George French Porter, B.A. Yale University 1903	Chicago, Ill. A. English
Sylvester David Powell, B.A. Yale University 1901, M.A. 1902	Bridgeport, Conn. 105 Dwight st. History

Joseph Dyer Prigmore, B.A. Missouri Valley College 1901, B.D. Yale University 1904	Milton, Conn. Church History	695 W. D.
Albert Hutchinson Putney, B.A. Yale University 1893, LL.B. Boston University 1895	Chicago, Ill. History	A.
Walter Kern Rainsford, B.A. Harvard University 1903	New York City Botany	182 Mansfield st.
David Lindsey Randall, B.A. Yale University 1904	Athol, Mass. Chemistry	606 E. D.
John Dougan Rea, B.A. Earlham College 1902, B.A. Yale University 1903	Richmond, Ind. Classics	Farmington
Arthur Davis Read, B.A. College of Emporia 1903	Emporia, Kans. Botany	22 Whalley av.
Arthur Bernhard Recknagel, B.A. Yale University 1904	Brooklyn, N. Y. Botany	94 Division st.
Harry Izard Bacon Rice, B.A. Yale University 1904	Coles Ferry, Va. Mathematics	139 Dwight st.
John Pierrepont Rice, B.A. Yale University 1900, M.A. 1901	New Haven, Conn. Romance Languages	431 FW.
Roland George Dwight Richardson, B.A. Acadia University 1898, B.A. Yale University 1903, M.A. 1904	Lawrencetown, N. S. Mathematics	120 York st.
Isaac Woodbridge Riley, B.A. Yale Univ. 1892, B.D. 1896, M.A. 1898, PH.D. 1902	New York City Philosophy	77 Elm st.
DeWyat Rahn Riser, B.A. Newberry College 1901	Leesville, S. C. Latin and Greek	64 Lake pl.
Frederick Oscar Robbins, B.A. Yale University 1896	New Haven, Conn. Romance Languages	215 Livingston st.
Mary Adelaide Robinson, B.A. Wellesley College 1901	New Haven, Conn. English	118 Grand av.
Frederick William Roman, B.A. Yale University 1902	Sidney, O. Social Science	361 Orange st.
William Drown Rorer, B.A. Yale University 1891	New Haven, Conn. History	24 Maple st.
Bronson Case Rumsey, B.A. Yale University 1902	Southborough, Mass. English	A.
Charles Edward Sargent, M.A. Bates College 1887	Pittsfield, N. H. Philosophy	20 Eld st.

Clifton James Sarle, B.S. University of Rochester 1902, M.S. 1903	Rochester, N. Y. Paleontology	379 Crown st.
Jinkuro Sato Waseda University 1900	Miyagi Ken, Japan Political Science	637 E. D.
Harold Merriam Sawyer, B.A. Yale University 1903	Cambridge, Mass. History	A.
Marvin McRae Scarborough, B.A. University of Oregon 1902	Eugene, Oregon Biology	919 Howard av.
Johan Friedrich Scheltema	Batavia, Java Arabic and Oriental Relations	336 George st.
Carl Frederick Francis Schulz, B.A. Yale University 1901	Corona, L. I., N. Y. German	387 Temple st.
Samuel Scoville, B.A. Yale University 1893, LL.B. N. Y. Law School 1895	Philadelphia, Pa. Scandinavian Languages	A.
Laura Randolph Seguire, B.A. Columbia University 1903	Rosebank, N. Y. Latin	130 Howe st.
Ryonosuke Seita, B.A. Kenyon College 1904	Tokyo, Japan English	6 Trumbull st.
Clara Sellards, B.A. University of Kansas 1900, M.A. 1901	Scranton, Kans. Latin	143 York st.
Frederick Isaac Selzer, B.A. Northwestern University 1903, M.A. Yale University 1904	Walker, Iowa Philosophy	63 Clark st.
Genzaburo Seshimo Waseda University 1902	Gunmaken, Japan Social Science	6 Trumbull st.
Guy Wheeler Shallies, B.A. University of Chicago 1903	Ticonderoga, N. Y. English	73 Lake pl.
Sakae Shioya, PH.M. University of Chicago 1903	Tokyo, Japan English	378 Crown st.
John Lehman Shively, B.A. Otterbein University 1901, B.D. Yale University 1904	Chambersburg, Pa. English	613 E. D.
Dudley Frank Sicher, B.A. Yale University 1904	New York City Biology and Chemistry	23 Lynwood pl.
Clara Eliza Smith Mt. Holyoke College 1885, B.A. 1902, PH.D. Yale University 1904	Northford, Conn. Mathematics	42 Park st.
Ernest Walker Smith, B.A. Yale University 1901	Farmington, Conn. English	A.

- Keith Smith, B.A. *Manila, Utah* A.
Yale University 1902 Economics
- Robert Seneca Smith, B.A. *Clarendon, Vt.* Dwight Hall
Yale University 1903 Biblical Literature
- Sarah Elizabeth Marquand Smoot, B.A. *New Bedford, Mass.*
University of California 1899 1233 Chapel st.
English
- Mary Winslow Smyth, B.L. *New Haven, Conn.* 328 Temple st.
Smith College 1895 English
- Ada Laura Fonda Snell, B.A. *Rochester, N. Y.* 37 Howe st.
Mt. Holyoke College 1899 English
- Charles Edward Snoke, B.A. *Newburg, Pa.* 630 E. D.
Lebanon Valley College 1900, Biblical Literature
B.D. Union Biblical Seminary 1903,
M.A. Yale University 1904
- William Almor Spinney, B.A. *Wallingford, Conn.* Wallingford
Colgate University 1877, M.A. 1880 Biblical Literature
- Oscar Emil Staaf, B.A. *New Haven, Conn.* 88 Prospect st.
Bethany College 1900, Romance Languages
M.A. Yale University 1902
- Frederick Clark Stanley, B.A. *Bridgeport, Conn.* Bridgeport
Williams College 1893 Geology and Chemistry
- Joannes Gabriel Statiropoulos, B.A. *Angora, Turkey* 153 Franklin st.
Anatolia College 1899, Chemistry
M.S. Yale University 1904
- Warren Merrill Steele, B.A. *Amherst, N. S.* 281 Crown st.
Acadia University 1902, Philosophy
B.A. Yale University 1903, M.A. 1904
- John McAllister Stevenson, Jr., B.A. *Pittsfield, Mass.* A.
Yale University 1903 Mathematics and Physics
- Jacob Rush Stoner, B.A. *Lemasters, Pa.* 73 Lake pl.
Gettysburg College 1901 Philosophy
- Robert Young Stuart, B.A. *Carlisle, Pa.* 22 Whalley av.
Dickinson College 1903 Botany
- Thomas P. Sutton, B.A. *Mt. Sterling, Ky.* 217 York st.
Georgetown College English and History
- George Sverdrup, B.A. *Minneapolis, Minn.* 47 Lake pl.
Augsburg Seminary 1898, Semitic Languages
M.A. Yale University 1902
- Wayne Swartz, B.A. *Wooster, O.* 132 Howe st.
University of Wooster 1900 History

Henry Lee Sweinhart, B.A. Yale University 1902	Washington, D. C. English	A.
Martin John Synnott, B.A. Yale University 1892	Montclair, N. J. History	A.
Chotaro Takebayashi Waseda University 1896	Takaoka, Japan Political Science	363 Crown st.
Leonard Merrill Tarr, B.A. Bates College 1882, M.A. Yale University 1901	New Haven, Conn. 344 Sherman av. Meteorology and Physics	
Edwy Lycurgus Taylor, PH.B. Yale University 1901, C.E. 1904	Albany, N. Y. Civil Engineering	265 L.
Wyatt Warner Taylor, PH.B. Yale University 1900	Stamford, Conn. Mechanical Engineering	A.
George Bremner Tennant, B.A. Yale University 1900, M.A. 1903	Waterbury, Conn. English	722 W. D.
Lucy Elizabeth Textor, PH.B. University of Michigan 1894, M.A. Leland Stanford Jr. Univ. 1895, PH.D. Yale University 1904	Chicago, Ill. History	144 Greene st.
Maud Thompson, B.A. Wellesley College 1901, M.A. 1902	New York City Greek	131 Howe st.
Wilmot Haines Thompson, Jr., B.A. Yale University 1898, M.A. 1902	New Haven, Conn. Classics	35 Clark st.
Herman Justus Thorstenberg, B.A. Bethany College 1902, B.A. Yale University 1903, M.A. 1904	Assaria, Kans. History and Social Science	130 Wall st.
George Rexford Tillson, B.A. Yale University 1903	Montclair, N. J. German	A.
John Arend Timm, B.D. Yale University 1902	New Haven, Conn. Biblical Literature and Semitic Languages	106 York sq.
Ralph Hermon Tukey, B.A. Bates College 1898, M.A. Harvard University 1901	Windham Center, Me. Greek and Latin	139 Dwight st.
Edgar Collins Tullar, B.A. Albion College 1897	New Haven, Conn. Biblical Literature	100 East Pearl st.
Albert William VanBuren, B.A. Yale University 1900	New Haven, Conn. Classics	Rome, Italy
Harry Brown VanDeventer, B.A. Yale University 1903, M.A. 1904	Elizabeth, N. J. Latin	1076 Chapel st.
Axel Ebenezer Vestling, B.A. Bethany College 1900, B.A. Yale University 1903	Ludington, Mich. German	130 Wall st.

Gustaf Eric Wahlin, B.A. Bethany College 1903	<i>McPherson, Kans.</i> 53 Prospect st. Mathematics
Curtis Howe Walker, B.A. Yale University 1899	<i>New Haven, Conn.</i> 651 E. D. History
Raymond William Walker, B.A. Yale University 1903	<i>New York City</i> A. English
Minot Lester Wallace, B.A. Yale University 1897	<i>Englewood, N. J.</i> A. History and Latin
Arthur Gustavus Ward, B.A. Yale University 1898	<i>Evans Mills, N. Y.</i> 122 Wall st. German
Brownlee Robertson Ward, B.A. Yale University 1888, PH.B. 1889, PH.D. 1904, M.D. Columbia University 1892	<i>New Haven, Conn.</i> 231 York st. History
Freeman Ward, B.A. Yale University 1903	<i>Yankton, S. D.</i> 569 P. Botany and Geology
William Hyde Warner, B.A. Colorado College 1902, B.A. Yale University 1904	<i>New Haven, Conn.</i> 1385 Chapel st. Latin
Charles Milnor Washington, B.A. Yale University 1889, LL.B. 1895, M.A. 1901	<i>Locust, N. J.</i> 724 W. D. Sanskrit
Samuel Gookin Waterman, B.A. Yale University 1892	<i>Southport, Conn.</i> A. Geology
Ernest Charles Webster, PH.B. Yale University 1904	<i>Litchfield, Conn.</i> 132 Wall st. Civil Engineering
Luther Cornelius Weeks, B.S. Bethany College 1900, PH.B. Yale University 1903	<i>Lindsborg, Kans.</i> 310 York st. Mathematics
Luther Allen Weigle, B.A. Gettysburg College 1900, M.A. 1903	<i>Mechanicsburg, Pa.</i> 310 York st. Philosophy
George Arnold Welch, B.A. Yale University 1901	<i>Cleveland, O.</i> A. English
John Philip Wentling, B.A. Franklin and Marshall College 1902	<i>Knox, Pa.</i> 42 Lake pl. Botany
Wilhelmus David Allen Westfall, B.A. Yale University 1901	<i>Montague, N. J.</i> Göttingen, Germany Mathematics
Arthur James Weston, B.A. Lehigh University 1904	<i>Scranton, Pa.</i> 105 Park st. English
Edward Colpilts Weyman, B.A. University of New Brunswick 1902, B.A. Harvard University 1903	<i>Apothagen, N. B.</i> 120 York st. Economics

William Alonzo Wheatley, B.A. Syracuse University 1894, M.A. 1897	<i>Fairfield, Conn.</i> Pedagogy	Fairfield
Ogden Watson White, B.A. Yale University 1901	<i>Waterbury, Conn.</i> English	A.
Everett Thomas Whitford, B.A. Brown University 1902, M.A. 1903	<i>New Haven, Conn.</i> Biblical Literature	696 W. D.
Paul Whitin, B.A. Yale University 1898	<i>Northbridge, Mass.</i> English	A.
Frederick Holme Wiggin, Jr., B.A. Yale University 1904	<i>Concord, N. H.</i> English	A.
Maye Wilcoxson, PH.B. Wesleyan University 1899	<i>Stratford, Conn.</i> English	Naugatuck
David Wilder, B.A. Talladega College 1901	<i>Mobile, Ala.</i> Philosophy and Sociology	106 Goffe st.
Arthur Baldwin Williams, Jr., B.A. Yale University 1898	<i>New York City</i> Philosophy	A.
Walter Coffin Wilson, B.S. Earlham College 1904	<i>Spiceland, Ind.</i> Mathematics	393 Elm st.
Aaron Wittstein	<i>Bridgeport, Conn.</i> Romance Languages	73 S. M.
George Edward Woodbine, B.A. Yale University 1903	<i>Harding, Mass.</i> History	74 Wall st.
Carrie Inez Woodrow, B.A. College of Emporia 1903	<i>Emporia, Kans.</i> English	45 Lake pl.
Joseph Hooker Woodward, PH.B. Yale University	<i>Hartford, Conn.</i> Mathematics	Hartford
Benjamin Mead Wright, B.D. Yale University 1897, M.A. 1903	<i>Orange, Conn.</i> English	Orange
Arthur Frederic Yaggy, B.A. Yale University 1901, B.D. 1904	<i>Hutchinson, Kans.</i> English	A.
Kaiei Yamasaki Keiogijiku University 1901, M.A. Yale University 1902	<i>Tokyo, Japan</i> Philosophy	925 Howard av.
Lester William Zartman, B.A. University of Illinois 1903	<i>Champaign, Ill.</i> Economics	2 University pl.
Charlemagne Joshua Zee, B.A. William Jewell College 1904	<i>Shanghai, China</i> Political Science	177 Lawrence st.
Clinton Frederick Zerweck, B.A. Muhlenberg College 1902, M.A. Yale University 1904	<i>Bethlehem, Pa.</i> English	115 Howe st.

ACADEMICAL DEPARTMENT

(YALE COLLEGE)

SENIOR CLASS

Albert Ross Abbott	<i>Easthampton, Mass.</i>	158 F.
Fred Ackert	<i>Washington, D. C.</i>	32 v.
Frederick Leonard Adams	<i>Brooklyn, N. Y.</i>	465 FW.
Henry Thomas Allen	<i>Lyon, Miss.</i>	49 v.
Thomas Bertram Anderson	<i>Delhi, N. Y.</i>	355 WH.
Horace White Armstrong	<i>Chicago, Ill.</i>	435 FW.
Herbert Nathaniel Arnstein	<i>St. Louis, Mo.</i>	18 v.
Albert Aston	<i>Brooklyn, N. Y.</i>	456 FW.
Louis Malcom Atha	<i>Newark, N. J.</i>	59 v.
Harry Hall Atwater	<i>Auburn, N. Y.</i>	145 Franklin st.
Lewis Emanuel Bamberger	<i>New York City</i>	22 v.
Edward Johnson Barber	<i>Manchester, Conn.</i>	425 FW.
William Marvin Barlow	<i>Rock Rift, N. Y.</i>	430 FW.
Lockwood Anderson Barr, B.A.	<i>Bowling Green, Ky.</i>	412 B.
Centre College 1903		
Walcott Duryea Bartlett	<i>New York Mills, N. Y.</i>	67 v.
Hamilton Baxter	<i>Nashville, Tenn.</i>	43 v.
Raymond Augustus Beardslee	<i>Windsor, Conn.</i>	425 FW.
John Eldridge Bentley	<i>McMinnville, Tenn.</i>	462 FW.
Charles Hubbell Bidwell	<i>Shelton, Conn.</i>	94 S. M.
Earl Gordon Bill, B.A.	<i>Wolfville, N. S.</i>	47 Lake pl.
Acadia University 1902		
Arthur Willis Blackman	<i>New Haven, Conn.</i>	41 v.
James Ralph Bloomer	<i>Cincinnati, O.</i>	437 FW.
Bradford Boardman	<i>New York City</i>	4 v.
George Milmine Bodman	<i>New York City</i>	5 v.
Herbert Luther Bodman	<i>New York City</i>	5 v.
Theodore Harding Boggs, B.A.	<i>Wolfville, N. S.</i>	47 Lake pl.
Acadia University 1902		
Arthur Howe Bradford	<i>Montclair, N. J.</i>	55 v.
Carl Brewer	<i>New Haven, Conn.</i>	20 v.
William Thompson Briggs	<i>Nashville, Tenn.</i>	49 v.
James Beardsley Brinsmade	<i>Derby, Conn.</i>	2 v.
Edward Little Brooks	<i>Wyoming, O.</i>	8 v.
Frame Clemens Brown	<i>Columbus, O.</i>	47 v.
John Sidney Brown, Jr.	<i>Denver, Colo.</i>	321 W.
Gilbert Browning	<i>New York City</i>	69 v.

Harold Bruff	<i>Brooklyn, N. Y.</i>	39 v.
David Verner Brunstrom, B.A.	<i>Lindsborg, Kans.</i>	315 Winchester av.
Bethany College 1903		
Charles Stone Bulkley	<i>Summit, N. J.</i>	21 v.
Sidney Rogers Burnap, Jr.	<i>Windsor Locks, Conn.</i>	23 v.
Paul Morgan Butterfield	<i>Wilmington, Vt.</i>	159 Elm st.
Carl Herman Carroll	<i>Rochester, N. Y.</i>	337 WH.
Perley Bickford Chandler, B.A.	<i>Marengo, Iowa</i>	51 Trumbull st.
Coe College 1904		
William Julius Champion, Jr.	<i>Grand Rapids, Mich.</i>	62 v.
Charles Jarvis Chapman, Jr.	<i>Portland, Me.</i>	441 FW.
Frank Burnham Chapman	<i>Auburn, N. Y.</i>	16 v.
Evert Mordecai Clark	<i>Lancaster, O.</i>	59 Dixwell av.
George Nathaniel Holmes Clement	<i>Brooklyn, N. Y.</i>	24 v.
Roland Baldwin Coe	<i>Newark, N. J.</i>	299 W.
Albert Merrill Coit	<i>Grand Rapids, Mich.</i>	9 v.
Runyon Colie	<i>East Orange, N. J.</i>	21 v.
John Morris Comstock	<i>Rome, N. Y.</i>	59 v.
Walter Bannister Congdon	<i>Duluth, Minn.</i>	1 v.
Sidney Rogers Cook	<i>South Weymouth, Mass.</i>	427 FW.
George Paul Cooke	<i>Honolulu, H. T.</i>	23 v.
Emile Louis Coté	<i>Baltic, Conn.</i>	235 D.
Irving Nicholas Countryman	<i>New Haven, Conn.</i>	384 Greenwich av.
Willis Arthur Countryman, Jr.	<i>Hartford, Conn.</i>	13 May st.
Bainbridge Cowell	<i>Cleveland, O.</i>	36 v.
Francis Quinn Cronin	<i>New London, Conn.</i>	19 v.
Boyd Graphic Curts	<i>Syracuse, N. Y.</i>	28 v.
Paul Curts	<i>Syracuse, N. Y.</i>	28 v.
Cornelius Edward Daly	<i>Worcester, Mass.</i>	19 v.
Robert Duff Dalzell	<i>Pittsburg, Pa.</i>	332 WH.
David Edward Dangler	<i>Cleveland, O.</i>	35 v.
William Theodore Darby	<i>Paterson, N. J.</i>	466 FW.
Lawrence Darr	<i>Pittsburg, Pa.</i>	441 FW.
Edmund Montgomery Davidson	<i>Huntington, N. Y.</i>	62 v.
Pierpont VanDerveer Davis	<i>Elizabeth, N. J.</i>	6 v.
Frederick Huntington Day	<i>Indianapolis, Ind.</i>	29 v.
William Dwight Dean	<i>Evanston, Ill.</i>	17 v.
John Bellows DeForest	<i>Bridgeport, Conn.</i>	141 F.
Chester Rhoades DeLaVergne	<i>New York City</i>	46 v.
Jesse Vincent Devine	<i>Waterbury, Conn.</i>	365 WH.
Frederick Ferriss Dodd	<i>New Milford, Conn.</i>	355 WH.
Henry Groff Dodge	<i>Cleveland, O.</i>	332 WH.
J. Andrew Drushel	<i>Lebanon, O.</i>	59 Dixwell av.
William Allen Drushel	<i>Lebanon, O.</i>	59 Dixwell av.

Walter Dyson, B.A.

Fisk University 1903

George Holmes Edwards

John Stoughton Ellsworth

Edward Chappell Ely

Charles Rhein Essick

Walter Filmer Evans

Richard Monroe Fairbanks

Charles Samuel Fallows

Stuyvesant Fish, Jr.

Charles Wilbur Fisk

Joseph Marion Forsyth

Harry Ellsworth Fowler

Victor Oscar Freeburg, B.A.

Bethany College 1904

Leonard Martin Frey

Stanleigh Pohly Friedman

Lowell Chester Frost

Randolph Frothingham

Henry Alansin Gardner, Jr.

Fred Elijah Gleason

Jerome Albert Goldman

Howard Lehman Goodhart

James Lippincott Goodwin

Marcus Brown Hall

Alfred Ernest Hamill

Willis Tracy Hanson, Jr.

Edward Victor Hardway

Morin Scott Hare

Caryl Smith Harris

George Mills Harris

Frank William Hart, B.A.

Tulane University 1904

Arthur Haserot

Nelson Smiley Hastings

Henry Ernst Haws

Edward Francis Hayes

Roy Willet Hemingway

George Stanley Hendel

Allen Bronson Henry

Louis Hertz

Charles Frederick Hewitt

Arthur White Hildreth

Charles Hjerpe, B.A.

Bethany College 1902

Paris, Ill.

677 W. D.

Bridgeport, Conn.

17 v.

Simsbury, Conn.

63 v.

Norwich, Conn.

155 Elm st.

Reading, Pa.

152 F.

Gloversville, N. Y.

13 v.

Indianapolis, Ind.

11 v.

Chicago, Ill.

29 v.

New York City

61 v.

Plainfield, N. J.

437 FW.

Franklin, N. Y.

430 FW.

Plantsville, Conn.

448 FW.

Lindsborg, Kans. 53 Prospect st.

Rome, N. Y.

158 F.

Albany, N. Y.

58 v.

Buffalo, N. Y.

332 WH.

Scranton, Pa.

62 v.

Hinsdale, Ill.

11 v.

Montpelier, Vt.

25 v.

Cincinnati, O.

52 v.

New York City

68 v.

New York City

426 FW.

Grand Rapids, Mich.

9 v.

Chicago, Ill.

35 v.

Schenectady, N. Y.

309 W.

Fayetteville, W. Va. 336 George st.

New York City

33 v.

Walton, N. Y.

50 v.

Wethersfield, Conn.

149 F.

New Orleans, La.

57 v.

Cleveland, O.

309 W.

Bradford, Pa.

26 v.

Peekskill, N. Y.

66 v.

Cohoes, N. Y.

145 F.

Syracuse, N. Y.

309 W.

Reading, Pa.

25 v.

North Bennington, Vt.

40 v.

Hazleton, Pa.

44 v.

Meriden, Conn.

339 WH.

Southampton, N. Y.

146 F.

Lindsborg, Kans. 315 Winchester av.

Douglas Meade Hoffercker	<i>Wilmington, Del.</i>	50 v.
James Joseph Hogan	<i>Torrington, Conn.</i>	27 v.
Buell Hollister	<i>Islip, L. I., N. Y.</i>	12 v.
Lloyd Burdwin Holsapple	<i>Hudson, N. Y.</i>	15 v.
Aubrey Milton Holter	<i>Helena, Mont.</i>	51 v.
George Burton Hotchkiss	<i>Naugatuck, Conn.</i>	149 F.
James Lawrence Houghteling, Jr.	<i>Winnetka, Ill.</i>	20 v.
Morton Albertson Howard	<i>Yonkers, N. Y.</i>	60 v.
Raymond Reed Howe	<i>Auburn, N. Y.</i>	25 v.
Berrien Hughes	<i>Denver, Colo.</i>	34 v.
Albert Wallace Hull	<i>Torrington, Conn.</i>	358 WH.
Argall LeRoy Hull	<i>New Haven, Conn.</i>	336 WH.
Charles Hadlai Hull	<i>New London, Conn.</i>	57 Grove st.
Alexander Pope Humphrey, Jr.	<i>Louisville, Ky.</i>	48 v.
Willard Curtis Hyatt	<i>Meriden, Conn.</i>	339 WH.
George William Stanley Ish, B.A.	<i>Little Rock, Ark.</i>	677 W. D.
Talladega College 1903		
William Johnson Jack	<i>Indiana, Pa.</i>	1081 Chapel st.
Pharselus Verona Crittenden Jackson	<i>Rochester, N. Y.</i>	7 v.
Clement Snow Jacobus	<i>Springfield, Mass.</i>	355 WH.
Walter Morrison Jeffords	<i>Philadelphia, Pa.</i>	16 v.
Robert Archibald Jelliffe	<i>Brooklyn, N. Y.</i>	459 FW.
Louis White Johnston	<i>Rochester, N. Y.</i>	7 v.
Samuel Parker Johnston	<i>Chicago, Ill.</i>	67 v.
Robert D. Jones, B.S.	<i>Copeville, Tex.</i>	13 Lake pl.
Baylor University 1904		
Charles Sheldon Judd	<i>Honolulu, H. T.</i>	23 v.
Ethan Wood Judd	<i>Olean, N. Y.</i>	427 FW.
Samuel Elliot Judd	<i>Holyoke, Mass.</i>	13 v.
John Russell Kennedy	<i>McSparran, Pa.</i>	8 v.
William Henry Kennedy	<i>Derby, Conn.</i>	Derby
Charles Ferdinand Kerrigan	<i>Brooklyn, N. Y.</i>	456 FW.
Gilbert Kinney	<i>New Haven, Conn.</i>	3 v.
Edward Kirkham	<i>Hastings-on-Hudson, N. Y.</i>	63 v.
Walter Edward Lagerquist, B.A.	<i>Essex, Iowa</i>	708 Yale Station
Simpson College 1903		
Charles Augustus LaMont	<i>Albion, N. Y.</i>	355 WH.
Guy Carleton Lamson	<i>Watertown, Conn.</i>	428 FW.
John Hiram Lathrop	<i>Kansas City, Mo.</i>	33 v.
Elbert Squire Latimer	<i>Norwalk, O.</i>	140 Howe st.
Rae Thornton LaVake	<i>New York City</i>	21 v.
Charles Lanier Lawrance	<i>Bay Shore, L. I., N. Y.</i>	10 v.
Stewart Alfred LeBlanc	<i>New Orleans, La.</i>	65 v.
Edward Stephen Little	<i>St. Louis, Mo.</i>	37 v.
William Kellogg Loomis	<i>Troy, N. Y.</i>	66 v.

Harry Howard Loudenslager	<i>Paulsboro, N. J.</i>	42 v.
Benedict Edward Lyons	<i>Thomaston, Conn.</i>	145 F.
Walter Raymond McCoy	<i>Burlington, N. J.</i>	57 v.
Albert Steele McCullough	<i>Watertown, N. Y.</i>	57 v.
Kingsley Rich MacGuffey	<i>Boston, Mass.</i>	444 FW.
Arthur Packer McKinstry	<i>Worcester, Mass.</i>	337 WH.
Herman Jackson McLatchey, B.A.	<i>Frederickton, N. B.</i>	151 F.
University of New Brunswick 1904		
Walter Eugene Marsden	<i>Johnstown, Pa.</i>	392 B.
George William Massie, B.A.	<i>Frederickton, N. B.</i>	151 F.
University of New Brunswick 1904		
Samuel Livingston Mather	<i>Cleveland, O.</i>	45 v.
Joseph Lee Matthews	<i>Bass, Ala.</i>	27 v.
Duncan Ivers Meier	<i>St. Louis, Mo.</i>	302 W.
Aaron Riley Merritt	<i>East Aurora, N. Y.</i>	354 WH.
Roland William Mersereau	<i>Portville, N. Y.</i>	427 FW.
Harold Milbank	<i>New York City</i>	3 v.
Joseph Zachary Miller	<i>Belton, Tex.</i>	320 W.
Alfred Keister Mills, B.A.	<i>Annville, Pa.</i>	694 W. D.
Lebanon Valley College 1904		
Russell Perry Morrison	<i>Brooklyn, N. Y.</i>	400 B.
Thornton Taft Munger	<i>New Haven, Conn.</i>	465 FW.
Elmer Belding Myers	<i>Auburn, N. Y.</i>	145 Franklin st.
Walter Dennis Myers	<i>Marysville, Pa.</i>	414 B.
Chester Trenholm Neal	<i>Springfield, Mass.</i>	54 v.
Charles Washburn Nichols	<i>New Haven, Conn.</i>	85 S. M.
Harry Levin Roeschlaub Nickerson	<i>Quincy, Ill.</i>	159 York st.
Edward John Noble	<i>Gouverneur, N. Y.</i>	13 v.
Levi Fatzinger Noble	<i>Auburn, N. Y.</i>	321 W.
Albert Chapman Norman	<i>Norwich, Conn.</i>	286 W.
Charles Reinold Noyes	<i>St. Paul, Minn.</i>	6 v.
Daniel Raymond Noyes	<i>St. Paul, Minn.</i>	31 v.
Frederick Louis Nuhn	<i>Waterbury, Conn.</i>	26 v.
George Winship Nunnally, B.A.	<i>Atlanta, Ga.</i>	284 W.
University of Georgia 1904		
David Lyman Oleson	<i>Warren, Mass.</i>	159 York st.
Carl Ostrum, B.A.	<i>Bunker Hill, Kans.</i>	53 Prospect st.
Bethany College 1904		
Howard Palmer	<i>Norwich, Conn.</i>	286 W.
Walter Hobart Palmer	<i>Branford, Conn.</i>	Branford
Abel Bennett Palmerton	<i>Cannonsville, N. Y.</i>	50 v.
Martin Kellogg Pasco, Jr.	<i>Berea, Ky.</i>	466 FW.
Maurice Henry Pease	<i>New Britain, Conn.</i>	20 v.
Clifford Harris Peek	<i>East Aurora, N. Y.</i>	354 WH.
Edward Charles Perry	<i>Honolulu, H. T.</i>	2 v.

William Frederick Peter, 2d	<i>Seymour, Ind.</i>	68 v.
Eugene James Phillips	<i>New Haven, Conn.</i> 451 Howard av.	
Lawrence Alson Pomeroy	<i>Cleveland, O.</i>	36 v.
Frank Brinley Porter	<i>New York City</i>	426 FW.
Seton Porter	<i>Lawrence, L. I., N. Y.</i>	61 v.
Bryant Hawk Prentice	<i>East Aurora, N. Y.</i>	64 v.
Henry Augustine Raymond	<i>Cleveland, O.</i>	32 v.
Archie Mudge Reid	<i>Yonkers, N. Y.</i>	33 v.
James Bernard Reilly, Jr.	<i>Atlantic City, N. J.</i>	28 v.
Howard MacMillan Richard, B.A.	<i>New Haven, Conn.</i> 621 Howard av.	
Wesleyan University 1904		
Gardner Richardson	<i>Woodstock, Conn.</i>	60 v.
Frank Stanley Rickcords	<i>Chicago, Ill.</i>	435 FW.
DeWyat Rahn Riser, B.A.	<i>Leesville, S. C.</i>	435 Elm st.
Newberry College 1901		
George Roberts	<i>Brooklyn, N. Y.</i>	337 WH.
John Taylor Roberts	<i>Hartford, Conn.</i>	30 v.
Edmund Pendleton Rogers	<i>Hyde Park, N. Y.</i>	10 v.
James Grafton Rogers	<i>Denver, Colo.</i>	55 v.
Francis Rooney, B.A.	<i>Worcester, Mass.</i>	216 D.
Amherst College 1904		
Robert George Sanford	<i>Island Pond, Pa.</i>	82 s. M.
George Paull Torrence Sargent	<i>Indianapolis, Ind.</i>	68 v.
Murray Sargent	<i>New Haven, Conn.</i>	43 v.
Leonard Franklin Sawvel	<i>Greenville, Pa.</i>	393 B.
Albert Marion Sawyer	<i>Fort Recovery, O.</i>	59 Dixwell av.
Henry Richard Schenker	<i>Holyoke, Mass.</i>	358 WH.
Earle Buckingham Seeley	<i>Washington, Conn.</i>	358 WH.
Joseph Seronde	<i>Norwalk, Conn.</i>	386 B.
Edward Power Sharretts	<i>Baltimore, Md.</i>	47 v.
Merle Lewis Sheffer	<i>Rochester, N. Y.</i>	414 B.
Harrison Tweed Sheldon	<i>New Haven, Conn.</i>	45 v.
Seth Shepard, Jr.	<i>Washington, D. C.</i>	320 W.
Harold Mercer Shoemaker	<i>Wilkes-Barré, Pa.</i>	14 v.
Richard Eskine Simpson	<i>Arnot, Pa.</i>	448 FW.
Chauncey Milton Sincerbeaux	<i>Moravia, N. Y.</i>	54 v.
John Carroll Slade	<i>Kelloggsville, N. Y.</i>	54 v.
John Sloane, Jr.	<i>New York City</i>	31 v.
James Cook Smillie	<i>New York City</i>	15 v.
Carl Benton Smith	<i>Buffalo, N. Y.</i>	1 v.
Stanley MacDonald Smith	<i>Philadelphia, Pa.</i>	336 WH.
William Thomas Snider	<i>Walden, N. Y.</i>	155 F.
Harold Soosmith	<i>Green's Farms, Conn.</i>	65 v.
Edward Elbridge Spalding	<i>Lynn, Mass.</i>	39 v.
Henry Blanchard Spaulding	<i>Santa Barbara, Cal.</i>	64 v.

Alfred Lyon Spencer	<i>Jasper, N. Y.</i>	34 Hillhouse av.
George Selden Spencer	<i>Deep River, Conn.</i>	4 v.
Crosby Buck Spinney	<i>Brooklyn, N. Y.</i>	459 FW.
Frank Squier, Jr.	<i>Brooklyn, N. Y.</i>	56 v.
Albert Mason Stevens	<i>Willimantic, Conn.</i>	41 v.
Walter Negley Stillman	<i>New York City</i>	30 v.
Enoch Vine Stoddard, Jr.	<i>Rochester, N. Y.</i>	315 W.
Edward Seymour Stringer	<i>St. Paul, Minn.</i>	69 v.
Russell Sullivan	<i>Indianapolis, Ind.</i>	444 FW.
Harry Patterson Sweeny	<i>Drifton, Pa.</i>	384 B.
Sidney Edward Sweet	<i>Grand Rapids, Mich.</i>	435 FW.
Fred Carleton Sweinhart, B.A.	<i>Sioux City, Iowa</i>	410 B.
Coe College 1904		
Lawrence Swift	<i>New York City</i>	338 WH.
Arthur Irving Taft	<i>Worcester, Mass.</i>	387 B.
Howard Taft	<i>Cincinnati, O.</i>	51 v.
Arthur Harrington Taylor, B.A.	<i>Kentville, N. S.</i>	120 York st.
Acadia University 1903		
Amos Bateman Thacher	<i>Hartford, Conn.</i>	338 WH.
Abel Cary Thomas	<i>New York City</i>	24 v.
Ralph Hill Thomas	<i>New York City</i>	46 v.
Howell Bostwick Townsend	<i>Walton, N. Y.</i>	430 FW.
Harold McLeod Turner	<i>Brooklyn, N. Y.</i>	12 v.
Leonard Sanford Tyler	<i>New Haven, Conn.</i>	33 College st.
Elmer Willis VanBrunt	<i>Southampton, N. Y.</i>	425 FW.
William Knickerbocker VanReypen, Jr.	<i>Washington, D. C.</i>	35 v.
Ernest Leonard Visanska	<i>Abbeville, S. C.</i>	58 v.
John Barker Waite	<i>Toledo, O.</i>	36 v.
John Ryan Washburn	<i>Oyster Bay, N. Y.</i>	279 L.
John Louis Waters	<i>New York City</i>	1076 Chapel st.
S. Lyon Weyburn	<i>Scranton, Pa.</i>	62 v.
Henry White	<i>Springfield, Mass.</i>	385 B.
Raymond Henry White	<i>New Haven, Conn.</i>	448 FW.
William Wurts White, Jr.	<i>Providence, R. I.</i>	61 v.
Edwin Sheldon Whitehouse	<i>Newport, R. I.</i>	10 v.
Cyrus French Wicker	<i>New York City</i>	41 v.
Wallace Alvin Wilson	<i>Auburn, N. Y.</i>	86 s. M.
Kenelm Winslow	<i>New York City</i>	319 W.
Roger Henry Wolcott	<i>Laredo, Tex.</i>	333 York st.
Douglas Woodruff	<i>Auburn, N. Y.</i>	4 v.
Charles Wright, Jr.	<i>Detroit, Mich.</i>	42 v.
Elmer Yelton	<i>Alexandria, Ky.</i>	336 George st.
Harry Clinton York	<i>Lebanon, Conn.</i>	94 s. M.
Palmer York	<i>New Haven, Conn.</i>	200 Oak pl.
Albert Henry Yost	<i>Cincinnati, O.</i>	397 B.
Luther Kimball Zabriskie	<i>Norwich, Conn.</i>	159 York st.

JUNIOR CLASS

Mortimer Clark Addoms	<i>New York City</i>	439 FW.
George Henry Warren Alden	<i>Cornwall, Pa.</i>	1076 Chapel st.
Ernest Arthur Anderson	<i>Union City, Conn.</i>	356 WH.
Raymond Mills Anderson	<i>Newton Center, Mass.</i>	367 WH.
Roger Hamlin Anderson	<i>Constantinople, Turkey</i>	162 F.
Austin Warmington Andrews	<i>Youngstown, O.</i>	429 FW.
Clarence Edward Andrews	<i>Norwalk, Conn.</i>	374 WH.
Guy Turner Arms	<i>New York City</i>	446 FW.
Walter Preston Armstrong	<i>Coffeeville, Miss.</i>	352 WH.
John Ezra Ayers	<i>Spring Valley, N. Y.</i>	438 FW.
William Thompson Bacon	<i>Derby, Conn.</i>	295 W.
Charles Henry Banks	<i>Amenia, N. Y.</i>	432 FW.
Arthur Stanhope Barrows	<i>Oberlin, O.</i>	394 B.
Howard Mead Bartlett	<i>Malden, Mass.</i>	294 W.
Lester Clement Barton	<i>Chicago, Ill.</i>	449 FW.
William Baxter, Jr.	<i>Wilmington, Del.</i>	317 W.
Frederick Hayward Beach	<i>Morristown, N. J.</i>	353 WH.
Harry Beal	<i>Oneida, N. Y.</i>	298 W.
Ralph Blackhurst Bennett	<i>Waterville, N. Y.</i>	131 F.
Louis Otto Bergh	<i>New York City</i>	342 WH.
Edward Macfunn Biddle	<i>Carlisle, Pa.</i>	308 W.
Arthur Douglas Bissell, Jr.	<i>Buffalo, N. Y.</i>	416 B.
Kenneth Boardman	<i>New York City</i>	383 B.
John Borden	<i>Chicago, Ill.</i>	234 D.
Timothy Lincoln Bouscaren	<i>Cincinnati, O.</i>	293 W.
Alfred Brand	<i>Chicago, Ill.</i>	234 D.
John Raymond Brandon	<i>Derby, Conn. Box 738, Yale P. O.</i>	
Alvin Chester Breul	<i>Bridgeport, Conn.</i>	285 W.
James Beebe Brinsmade	<i>Brooklyn, N. Y.</i>	375 WH.
Chester Kingsley Brooks	<i>Cleveland, O.</i>	343 WH.
Albert Leffingwell Brown	<i>Bloomfield, Conn.</i>	218 D.
Ben Overton Brown	<i>Denver, Colo.</i>	450 FW.
McCleane Brown	<i>Allegheny, Pa.</i>	37 V.
Nelson Courtlandt Brown	<i>South Orange, N. J.</i>	334 WH.
Donald Bruce	<i>Easthampton, Mass.</i>	467 FW.
Edward Thorpe Bulkley	<i>Fairfield, Conn.</i>	1076 Chapel st.
Frederick Kingsbury Bull	<i>New York City</i>	457 FW.
Charles Carver, Jr.	<i>Philadelphia, Pa.</i>	391 B.
Robert Robinson Chase	<i>Lyndon, Vt.</i>	341 WH.
Arthur Howard Clark	<i>Leonard Bridge, Conn.</i>	131 F.
Robert Lincoln Clark	<i>Ansonia, Conn.</i>	449 FW.

Wedworth William Clarke	<i>Jackson, Mich.</i>	446 FW.
Ralph Mortimer Coe	<i>Cleveland, O.</i>	371 WH.
Harold William Condé	<i>Watertown, N. Y.</i>	318 W.
Harry Bryan Cook	<i>Lenox, Mass.</i>	285 W.
Richard Alexander Cooke	<i>Honolulu, H. T.</i>	236 D.
Theodore Strong Cooley	<i>Auburndale, Mass.</i>	250 L.
John Edward Copps	<i>West Rutland, Vt.</i>	235 D.
Edwin Corning	<i>Albany, N. Y.</i>	442 FW.
Henry Nicholas Costello	<i>Hartford, Conn.</i>	235 D.
Walter Hurd Coursen	<i>Scranton, Pa.</i>	233 D.
Walter Ruel Cowles	<i>New Haven, Conn.</i>	424 FW.
Orris Ray Critchlow	<i>Clarion, Pa.</i>	325 W.
Nellis Maynard Crouse	<i>Utica, N. Y.</i>	303 W.
Sidney Bradford Curtis	<i>Brooklyn, N. Y.</i>	347 WH.
Herbert Hallock Cutler	<i>Bridgeport, Conn.</i>	163 F.
Joseph Dart, Jr.	<i>Buffalo, N. Y.</i>	301 W.
Dragan Zaharia Daskaloff	<i>Kavadartsy, Macedonia 21 Lynwood pl.</i>	
Friend St. Clair Dickinson	<i>Westbrook, Conn.</i>	378 WH.
William Hughes Diller	<i>Springfield, Ill.</i>	304 W.
Harold Edwin Dimock	<i>Hartford, Conn.</i>	287 W.
Effingham Nevins Dodge	<i>Paterson, N. J.</i>	16 V.
George Stuart Dole	<i>Bath, Me.</i>	258 L.
Louis Alexander Dole	<i>Bath, Me.</i>	258 L.
John Hampden Dougherty, Jr.	<i>Brooklyn, N. Y.</i>	370 WH.
Louis deVierville Dousman	<i>Prairie du Chien, Wisc.</i>	306 WH.
Frank Collins Downing	<i>Kansas City, Mo.</i>	440 FW.
Harold Espe Drew	<i>Ansonia, Conn.</i>	295 W.
William Mason Duncan	<i>Russellville, Ky.</i>	352 WH.
John Gilmore Dunlap	<i>Philadelphia, Pa.</i>	325 W.
Edward Farnsworth Dustin	<i>Hartford, Conn.</i>	443 FW.
Augustus Wilson Eddy	<i>Evanston, Ill.</i>	398 B.
Francis Bolton Elwell	<i>Norwich, Conn.</i>	367 WH.
Grosvenor Ely	<i>Norwich, Conn.</i>	346 WH.
Edwin Rogers Embree	<i>Berea, Ky.</i>	342 WH.
John Raymond Engle	<i>Palmyra, Pa.</i>	285 W.
Alfred Ethridge	<i>Rome, N. Y.</i>	368 WH.
James Edwin Ewers	<i>Fredericktown, O.</i>	258 L.
James Linwood Fawley	<i>Philadelphia, Pa.</i>	256 L.
Horace Farwell Ferry	<i>Lake Forest, Ill.</i>	429 FW.
Samuel Field, Jr.	<i>Philadelphia, Pa.</i>	423 FW.
John Joseph Finegan	<i>Lawrence, Mass.</i>	454 FW.
Littleton Holmes Fitch	<i>New York City</i>	335 WH.
Benjamin Fitzpatrick	<i>Kansas City, Mo.</i>	447 FW.
Roger Yale Flanders	<i>Milwaukee, Wisc.</i>	455 FW.

Alexander Rex Flinn	<i>Pittsburg, Pa.</i>	331 WH.
Frazer Lee Ford	<i>St. Joseph, Mo.</i>	344 WH.
Allen Evarts Foster	<i>New Haven, Conn.</i>	375 WH.
George Starkweather Fowler	<i>New Haven, Conn.</i>	333 WH.
Mason Anthony Freeman	<i>Bradford, Pa.</i>	415 B.
Irving Kent Fulton	<i>Waterbury, Conn.</i>	439 FW.
William Walker Gibson	<i>Albany, N. Y.</i>	468 FW.
William Stuart Glazier	<i>So. Glastonbury, Conn.</i>	464 FW.
Hollis Currier Goodwin	<i>Haverhill, Mass.</i>	86 S. M.
Howard Goodwin	<i>Hartford, Conn.</i>	372 WH.
Charles Waterhouse Goodyear, Jr.	<i>Buffalo, N. Y.</i>	305 W.
Lemuel Whittington Gorham	<i>Albany, N. Y.</i>	432 FW.
Peter Gow	<i>Holyoke, Mass.</i>	468 FW.
Lincoln Depew Granniss	<i>East Haven, Conn.</i>	130 F.
Lester Eames Grant	<i>Denver, Colo.</i>	345 WH.
John Nesmith Greely	<i>Washington, D. C.</i>	316 W.
Crawford Greene	<i>Providence, R. I.</i>	283 W.
Albert Byron Gregory	<i>St. Louis, Mo.</i>	383 B.
Melville Brooks Gurley	<i>Washington, D. C.</i>	1076 Chapel st.
Walter Phelps Hall	<i>Newburgh, N. Y.</i>	349 WH.
John Richard Halsey	<i>Wilkes-Barre, Pa.</i>	53 V.
Harold Eberhart Hammond	<i>Chicago, Ill.</i>	350 WH.
Louis Walter Handel	<i>Buffalo, N. Y.</i>	300 W.
George Cushman Hannahs	<i>Newark, N. J.</i>	325 W.
William Daniels Harris	<i>Minneapolis, Minn.</i>	390 B.
William Hugh Harris	<i>Binghamton, N. Y.</i>	377 WH.
Frank Anderson Hayes	<i>Buffalo, N. Y.</i>	368 WH.
Donald Parker Haynie	<i>St. Paul, Minn.</i>	390 B.
Harold Wade Headley	<i>East Orange, N. J.</i>	163 F.
Dwight Ruggles Perry Heaton	<i>Washington, D. C.</i>	371 WH.
Grover Bates Higgins	<i>Columbus, O.</i>	287 W.
Edward Albert Holaday	<i>New Haven, Conn.</i>	130 F.
Willard Deere Hosford	<i>Moline, Ill.</i>	341 WH.
Edmund Grant Howe	<i>Hartford, Conn.</i>	407 B.
Lydig Hoyt	<i>New York City</i>	373 WH.
Morris Hudnut	<i>Terre Haute, Ind.</i>	322 W.
Edward Boltwood Hull	<i>Pittsfield, Mass.</i>	428 FW.
Ernest Braislin Humpstone	<i>Brooklyn, N. Y.</i>	459 FW.
Philip Woodward Hunt	<i>Cincinnati, O.</i>	340 WH.
William George Hunt	<i>Florence, Mass.</i>	315 Crown st.
Clarence Seymour Hutt	<i>New Haven, Conn.</i>	69 Mechanic st.
Harold Burton Jamison	<i>Gloversville, N. Y.</i>	166 F.
Russell Dixon Janney	<i>Glen Ridge, N. J.</i>	347 WH.
Henry Gildersleeve Jarvis	<i>Portland, Conn.</i>	415 B.

William Kurtz Johnson	<i>Washington, D. C.</i>	346 WH.
Irenus Prime Keith	<i>Winchester, Tenn.</i>	356 WH.
Augustus Wilkens Kelley, Jr.	<i>New York City</i>	406 B.
Towner Kent	<i>Patterson, N. Y.</i>	342 Crown st.
Albert Rowden King	<i>Brooklyn, N. Y.</i>	333 WH.
Edmund Stanley Kochersperger	<i>New Haven, Conn.</i>	433 FW.
Walter Rudolf Koehler	<i>Cincinnati, O.</i>	317 W.
Harold Fowler Larkin	<i>Winsted, Conn.</i>	135 F.
John Ely Lathrop	<i>Westfield, N. J.</i>	389 B.
Henry Wells Lawrence, Jr.	<i>White Plains, N. Y.</i>	161 F.
Robinson Leech	<i>Brooklyn, N. Y.</i>	432 FW.
George Burwell Leggett	<i>New York City</i>	378 WH.
Franklin Butler Lord, Jr.	<i>New York City</i>	65 V.
George Cabot Ward Low	<i>Brooklyn, N. Y.</i>	442 FW.
Edmund Rutan Lupton	<i>Mattituck, N. Y.</i>	353 WH.
John Philip Lyons	<i>Indian Orchard, Mass.</i>	269 L.
Donald McBride	<i>Cleveland, O.</i>	434 FW.
Wilson Shaw McClintock	<i>Pittsburg, Pa.</i>	443 FW.
James Gore King McClure, Jr.	<i>Lake Forest, Ill.</i>	305 W.
William Pitt McCune	<i>Columbus, O.</i>	313 W.
Noah MacDowell, Jr.	<i>New York City</i>	440 FW.
Abram Wilbur Mace	<i>Richmond, Mass.</i>	357 WH.
Donald Ashbrook McGee	<i>Plainfield, N. J.</i>	369 WH.
Stanley Robinson MacLane	<i>New Haven, Conn.</i>	33 Howe st.
Thomas Dalglish Macmillan	<i>New Haven, Conn.</i>	92 S. M.
John Gillespie Magee	<i>Pittsburg, Pa.</i>	331 WH.
Allen Schuyler Malcolm	<i>Melbourne, Australia</i>	388 B.
Dwight Sterling Mallett	<i>Bridgeport, Conn.</i>	135 F.
William Elder Marcus, Jr.	<i>Montclair, N. J.</i>	434 FW.
Francis Hartman Markoe, Jr.	<i>New York City</i>	1151 Chapel st.
Benjamin Heath Mead	<i>New Canaan, Conn.</i>	132 F.
Eugene Leavens Mersereau	<i>Portville, N. Y.</i>	294 W.
Henry Graham Meyer	<i>Allegheny, Pa.</i>	460 FW.
Edward Shorrey Mills	<i>New York City</i>	369 WH.
John Teobaldo Monzani	<i>Waterbury, Conn.</i>	421 B.
Barrington Moore	<i>New York City</i>	457 FW.
Don Lorenzo Moore	<i>New York City</i>	406 B.
William Singer Moorhead	<i>Greensburg, Pa.</i>	464 FW.
Angus Washburn Morrison	<i>Minneapolis, Minn.</i>	236 D.
Charles Milton Morse	<i>New Woodstock, N. Y.</i>	402 B.
Robert Wilden Neeser	<i>New York City</i>	313 W.
Harold Clinton Nelson	<i>West Suffield, Conn.</i>	353 WH.
John Strong Newberry	<i>Cleveland, O.</i>	343 WH.

William Disney Nichols	<i>Fayetteville, N. Y.</i>	
	152 Temple st., care Y. M. C. A.	
Frank O'Brien	<i>Plattsburgh, N. Y.</i>	424 FW.
George Braddock Ogle	<i>Chicago, Ill.</i>	350 WH.
Herbert Paul Onasch	<i>Andover, Mass.</i>	81 S. M.
Raymond William Osborne	<i>Berea, Ky.</i>	259 L.
George Grant Parkhurst	<i>Buffalo, N. Y.</i>	108 High st.
George Frederick Parrish	<i>Wilkes-Barré, Pa.</i>	1076 Chapel st.
Edward Samuel Payton	<i>Westfield, Mass.</i>	419 B.
Francis Thurston Pendleton	<i>New London, Conn.</i>	166 Oak pl.
Lee James Perrin	<i>New Haven, Conn.</i>	424 FW.
William Henry Peters	<i>Syracuse, N. Y.</i>	297 W.
John Case Phelps	<i>Binghamton, N. Y.</i>	290 W.
William Brace Pratt	<i>Brooklyn, N. Y.</i>	460 FW.
Richard Prendergast	<i>Chicago, Ill.</i>	288 W.
Charles Wesley Price	<i>East Orange, N. J.</i>	292 W.
Vernon Dana Price, Jr.	<i>Louisville, Ky.</i>	376 WH.
Warren Edward Price	<i>Los Angeles, Cal.</i>	348 WH.
Russell Godine Pruden	<i>New York City</i>	348 WH.
Byron Joseph Quinn	<i>Worcester, Mass.</i>	216 D.
Henry Gould Ralston	<i>Lake Forest, Ill.</i>	447 FW.
Stanley Forman Reed	<i>Mayville, Ky.</i>	120 High st.
Caleb Shreve Ridgway, Jr.	<i>Columbus, N. J.</i>	349 WH.
Miles Bradley Riggs	<i>Palmyra, N. Y.</i>	405 B.
Arthur Werner Rinke	<i>New York City</i>	376 WH.
Francis Clapp Robertson	<i>New York City</i>	436 FW.
James Nichols Robinson	<i>Hornellsville, N. Y.</i>	445 FW.
William Goodwin Robinson	<i>Williamsport, Pa.</i>	370 WH.
Foster Harry Rockwell	<i>Portland, Oregon</i>	27 V.
Platt Rogers, Jr.	<i>Denver, Colo.</i>	345 WH.
Robert Landon Rogers	<i>Providence, R. I.</i>	297 W.
Rufus Story Rowland	<i>Plainfield, N. J.</i>	346 WH.
Merrill Burr Sands	<i>Newtonville, Mass.</i>	445 FW.
Clarence Colton Scarborough	<i>West Hartford, Conn.</i>	407 B.
Avery Milton Schermerhorn	<i>New Haven, Conn.</i>	37 Lynwood pl.
Lester Randolph Scovill	<i>Bridgeport, Conn.</i>	Box 850, Yale P. O.
Philip Johnston Scudder	<i>New York City</i>	349 WH.
Edward Clarkson Seward, Jr.	<i>Montclair, N. J.</i>	316 W.
Paul Sheehan	<i>Buffalo, N. Y.</i>	451 FW.
William Brewster Shelton	<i>Norwalk, Conn.</i>	144 F.
Everitt Anthony Sherwood	<i>Ottawa, Ill.</i>	324 W.
Thomas Leonard Shevlin	<i>Minneapolis, Minn.</i>	461 FW.
William Patten Shoemaker	<i>Wilkes-Barré, Pa.</i>	438 FW.
Bruce Donald Smith	<i>Lake Forest, Ill.</i>	461 FW.

Philip Chapin Smith, Jr.	<i>Westfield, Mass.</i>	377 WH.
Carl Warrington Somers	<i>Auburn, N. Y.</i>	356 WH.
William Buell Sprague	<i>Flushing, N. Y.</i>	290 W.
William Lord Squire	<i>Meriden, Conn.</i>	342 WH.
Guy Thomas Stetson	<i>Nordhoff, Cal.</i>	436 FW.
John Archibald Stevenson	<i>Chicago, Ill.</i>	306 W.
George Berger Struby	<i>Denver, Colo.</i>	283 W.
George Sturges	<i>Chicago, Ill.</i>	234 D.
Arthur Hutchinson Terry, Jr.	<i>Patchogue, N. Y.</i>	378 WH.
Mahlon Daniel Thatcher, Jr.	<i>Pueblo, Colo.</i>	450 FW.
Alfred Pembroke Thom, Jr.	<i>Norfolk, Va.</i>	391 B.
Norman Frederick Thompson, Jr.	<i>Rockford, Ill.</i>	344 WH.
Orlando Lewis Thompson	<i>Auburn, N. Y.</i>	144 F.
Carlyle Clifford Thomson	<i>West Hartford, Conn.</i>	407 B.
Charles Terhune Tileston	<i>Binghamton, N. Y.</i>	298 W.
Robert Fingland Tilney, 2d	<i>Plainfield, N. J.</i>	34 v.
Edwin Ward Tillotson	<i>Farmington, Conn.</i>	250 L.
Leonard Enos Todd	<i>Woodbridge, Conn.</i>	279 L.
Lewis Holmes Tooker	<i>Brooklyn, N. Y.</i>	368 WH.
James Albert Toole	<i>Holyoke, Mass.</i>	323 W.
Spencer Turner	<i>Brooklyn, N. Y.</i>	373 WH.
Charles Pratt Tuttle	<i>New Haven, Conn.</i>	374 WH.
Joseph Hooker Twichell	<i>Hartford, Conn.</i>	372 WH.
Benjamin VanCampen	<i>Olean, N. Y.</i>	462 FW.
Chester Burrows VanTassel	<i>Brooklyn, N. Y.</i>	446 FW.
Garrat Bleecker VanWagenen	<i>South Orange, N. J.</i>	398 B.
Faron Nelson Wakefield	<i>Port Chester, N. Y.</i>	161 F.
Harris Walcott	<i>Indianapolis, Ind.</i>	322 W.
Otis Harvey Waldo, Jr.	<i>Chicago, Ill.</i>	242 L.
James Harold Wallis	<i>Dubuque, Iowa</i>	324 W.
Henry Augustus Walton	<i>Brooklyn, N. Y.</i>	458 FW.
Hiram Lee Ward	<i>Unadilla, N. Y.</i>	256 L.
Donald Judson Warner, 2d	<i>Salisbury, Conn.</i>	357 WH.
John Warner	<i>Wilmington, Del.</i>	341 WH.
Edmund Leon Warren	<i>Grafton, Mass.</i>	370 WH.
William VanAntwerp Waterman	<i>Albany, N. Y.</i>	334 WH.
Ralph Wesley Wescott	<i>Haddonfield, N. J.</i>	467 FW.
Arthur Leonard Westcott	<i>Oneonta, N. Y.</i>	451 FW.
Edwin White	<i>St. Paul, Minn.</i>	373 WH.
Philip Trumbull White	<i>Brooklyn, Conn.</i>	433 FW.
Harry Howe Whittaker	<i>Wallingford, Conn.</i>	143 Dwight st.
Richard Edmond Whittlesey	<i>New Haven, Conn.</i>	376 WH.
Jere Raymond Wickwire	<i>Cortland, N. Y.</i>	398 B.
Arthur Robinson Williams	<i>Norwalk, Conn.</i>	413 B.

Richard Farrand Williams	<i>Detroit, Mich.</i>	334 WH.
Arthur Clarence Williamson	<i>Westfield, Mass.</i>	259 L.
Hugh Robert Wilson	<i>Evanston, Ill.</i>	369 WH.
Russell Seipt Wolfe	<i>Philadelphia, Pa.</i>	423 FW.
Alexander James Wood	<i>Branford, Conn.</i>	Branford
Selah Howell Wright	<i>Sandy Hook, Conn.</i>	259 L.
William Hogencamp Wurts	<i>Paterson, N. J.</i>	53 V.
Clarence Hascy Young	<i>Albany, N. Y.</i>	12 V.

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SOPHOMORE CLASS

Gordon Wilson Abbott	<i>Plainfield, N. J.</i>	240 D.
Fritz George Achelis	<i>New York City</i>	22 College st.
George Morris Adams	<i>New Haven, Conn.</i>	236 Crown st.
Richard Steere Aldrich	<i>Providence, R. I.</i>	293 W.
George Elmer Anderson	<i>Canandaigua, N. Y.</i>	27 College st.
Louis Victor Architect	<i>Florida, N. Y.</i>	131 F.
Nelson Irving Asiel	<i>New York City</i>	43 College st.
Edward Parsons Bagg, Jr.	<i>Holyoke, Mass.</i>	22 College st.
Ernest Schwefel Ballard	<i>Philadelphia, Pa.</i>	250 Crown st.
William Deluce Barnes, Jr.	<i>Mansfield, Mass.</i>	22 College st.
Edward Morgan Barradale	<i>Orange, N. J.</i>	140 F.
Edward Hudson Barstow	<i>St. Louis, Mo.</i>	22 College st.
Chisholm Beach	<i>New York City</i>	43 College st.
Morris Lyon Beard	<i>Durham, N. H.</i>	251 Crown st.
Edwin John Beinecke	<i>New York City</i>	43 College st.
Douglas Jerrold Abbey Bell	<i>Portland, Conn.</i>	1076 Chapel st.
Edwin Bendheim	<i>New York City</i>	212 D.
Howard Francis Bishop	<i>Chicago, Ill.</i>	172 F.
Kenneth McLeod Bissell	<i>New York City</i>	268 L.
William McCormick Blair	<i>Chicago, Ill.</i>	22 College st.
William Carmichael Blyth	<i>Evanston, Wyo.</i>	236 Crown st.
Philip Waldron Boardman	<i>New York City</i>	22 College st.
George Borup	<i>New York City</i>	260 Crown st.
Howard Boulton	<i>New York City</i>	250 Crown st.
Ernest Folger Bowman	<i>New Haven, Conn.</i>	46 Edgewood av.
George Philip Braun, Jr.	<i>Chicago, Ill.</i>	22 College st.
Carl Hammer Breaker	<i>Northampton, Mass.</i>	91 S. M.
Chester Jackson Briggs	<i>Newtonville, Mass.</i>	27 College st.
Ernest Milford Bristol	<i>Brooklyn, N. Y.</i>	254 Crown st.
Alexander Cushing Brown	<i>Cleveland, O.</i>	22 College st.
Richmond Lennox Brown	<i>Brooklyn, N. Y.</i>	254 Crown st.
James White Bruce	<i>Louisville, Ky.</i>	42 College st.
Leroy Ewalt Bruner	<i>Orlando, Fla.</i>	236 Crown st.
Morgan Gardner Bulkeley, Jr.	<i>Hartford, Conn.</i>	260 Crown st.
Ludlow Seguire Bull	<i>New York City</i>	22 College st.
Edward Hubert Butler, Jr.	<i>Buffalo, N. Y.</i>	22 College st.
Arthur Goodwin Camp	<i>Winsted, Conn.</i>	260 Crown st.
Rumsey Campbell	<i>Fairfield, Conn.</i>	42 College st.
Winthrop Lakey Carter	<i>West Newton, Mass.</i>	22 College st.
Clarence Edward Chaney	<i>Chicago, Ill.</i>	266 L.
Edward Barton Chapin	<i>Andover, Mass.</i>	291 W.

Franklin Glazier Chapin	<i>Greenwich, Conn.</i>	447 FW.
William Bowen Church	<i>Meriden, Conn.</i>	272 L.
Joseph Herendeen Clark	<i>Brooklyn, N. Y.</i>	254 Crown st.
Norman Parsons Clement	<i>Buffalo, N. Y.</i>	22 College st.
William Ellsworth Clow, Jr.	<i>Chicago, Ill.</i>	22 College st.
George Hamilton Colket, Jr.	<i>Philadelphia, Pa.</i>	42 College st.
William Welch Collin, Jr.	<i>Pittsburg, Pa.</i>	42 College st.
William Ernest Collins	<i>Livingston, N. J.</i>	232 D.
Charles Williams Comfort, Jr.	<i>Norristown, Pa.</i>	452 FW.
Arthur Milton Comley	<i>Bridgeport, Conn.</i>	156 F.
Leland Church Covey	<i>Minneapolis, Minn.</i>	264 L.
Joseph Graham Crane	<i>Dayton, O.</i>	22 College st.
Seth Turner Crawford	<i>Randolph, Mass.</i>	27 College st.
Robert Howe Cunningham	<i>New Castle, Pa.</i>	260 Crown st.
Harry Alban Leonard Curran	<i>New Haven, Conn.</i>	38 Lake pl.
Ralph Dennis Cutler	<i>Hartford, Conn.</i>	22 College st.
Henry Fowler Damon	<i>Honolulu, H. T.</i>	318 W.
Forrest Leonard Daniels	<i>St. Paul, Minn.</i>	251 Crown st.
Richard Ely Danielson	<i>Brooklyn, Conn.</i>	250 Crown st.
Charles Julius Davis	<i>Gloversville, N. Y.</i>	79 S. M.
Richard Douglas Davis, Jr.	<i>Ashland, Ky.</i>	257 L.
Clinton Demas Deming	<i>Hartford, Conn.</i>	239 D.
Richard Henry Deming	<i>Hartford, Conn.</i>	236 Crown st.
Chester Merritt Deuel	<i>New York City</i>	42 College st.
William Andrew DeWitt	<i>Wilton, Conn.</i>	203 D.
Theodore Polhemus Dixon	<i>New York City</i>	22 College st.
Philip Lyndon Dodge	<i>New York City</i>	22 College st.
Liguori Alphonsus Doherty	<i>Murray, Idaho</i>	314 W.
Frederic Russell Dolbeare	<i>Hartford, Conn.</i>	470 FW.
Blatchford Downing	<i>Kansas City, Mo.</i>	22 College st.
Paul Alexander Drucklieb	<i>Stapleton, S. I., N. Y.</i>	177 F.
Edward Lee Dummer	<i>Auburndale, Mass.</i>	282 L.
Russell Stearns Dwight	<i>Wyoming, O.</i>	227 D.
Rolland Mooney Edmonds	<i>Cincinnati, O.</i>	215 D.
Paul Bradley Elmore	<i>Litchfield, Conn.</i>	156 F.
Arthur Garfield Erwin	<i>Clear Branch, Tenn.</i>	233 D.
Harold Pegram Fabian	<i>Salt Lake City, Utah</i>	22 College st.
Henry Robertson Failing	<i>Portland, Oregon</i>	22 College st.
William Everett Fay	<i>Willimantic, Conn.</i>	87 S. M.
Charles Milton Fessenden	<i>Stamford, Conn.</i>	254 Crown st.
William Sherman Fisher	<i>Denver, Colo.</i>	260 Crown st.
Henry Fleischner	<i>New Haven, Conn.</i>	50 Bishop st.
Bainbridge Doty Folwell	<i>Buffalo, N. Y.</i>	260 Crown st.
Robert Wilson Forbes	<i>Dalton, Mass.</i>	359 WH.

Frederick Clifford Ford	<i>Detroit, Mich.</i>	260 Crown st.
Marshall Forrest	<i>Chicago, Ill.</i>	236 Crown st.
Henry Albert Foster	<i>Maxwell, Tenn.</i>	96 Howe st.
Talton Turner Francis	<i>St. Louis, Mo.</i>	22 College st.
George William Franzheim	<i>Wheeling, W. Va.</i>	203 D.
Julius Walter Freiberg	<i>Cincinnati, O.</i>	254 L.
William Spencer Fuller	<i>Suffield, Conn.</i>	403 B.
Bertram Adolph Gabriel	<i>Brooklyn, N. Y.</i>	212 D.
Umberto Dante Garfield	<i>Syracuse, N. Y.</i>	274 L.
Charles Pew Garland	<i>Saco, Me.</i>	22 College st.
Hugh Gillis	<i>Mt. Pleasant, Iowa</i>	22 College st.
George Brette Glaenzer	<i>New York City</i>	22 College st.
Philip Lippincott Goodwin	<i>New York City</i>	254 Crown st.
Bradley Goodyear	<i>Buffalo, N. Y.</i>	260 Crown st.
Arthur Robbins Griswold	<i>Hartford, Conn.</i>	22 College st.
William Francis Gunn, Jr.	<i>Hartford, Conn.</i>	227 D.
Milton Bruce Hadley	<i>Black River, N. Y.</i>	114 High st.
Wesley Herbert Haggett	<i>Hiawatha, Kans.</i>	A.
Charles Herbert Halcomb, Jr.	<i>New York City</i>	22 College st.
Clarence Russell Hall	<i>Woodstock, Conn.</i>	174 F.
Isaac Staples Hall	<i>Medford, Mass.</i>	445 FW.
Howard Edmiston Hannum	<i>Chester, Pa.</i>	255 L.
Samuel Milby Harrington	<i>Brooklyn, N. Y.</i>	340 WH.
Charles Edwin Hart, Jr.	<i>New Britain, Conn.</i>	260 Crown st.
Edward Henry Hart	<i>Brooklyn, N. Y.</i>	254 Crown st.
Mortimer Hall Hartwell	<i>Albany, N. Y.</i>	262 L.
Edwin Deeks Harvey	<i>Rock Ferry, England</i>	147 F.
Harold Hauenstein	<i>Buffalo, N. Y.</i>	249 Crown st.
Harry Clifton Heaton	<i>Waterbury, Conn.</i>	154 F.
Gustave Maurice Hecksher		22 College st.
Charles Bingham Heisler	<i>Albany, N. Y.</i>	281 I.
Charles Erle Hibbard	<i>Ottawa, Canada</i>	223 D.
Charles Hill	<i>Norwalk, Conn.</i>	22 College st.
Percy William Holter	<i>Helena, Mont.</i>	260 Crown st.
Charles Roberts Hopkins	<i>Philadelphia, Pa.</i>	236 Crown st.
Bayard Cushing Hoppin	<i>New York City</i>	22 College st.
Charles Melvin Horton	<i>Middletown, N. Y.</i>	260 Crown st.
William Irving Howbert	<i>Colorado Springs, Colo.</i>	260 Crown st.
James Howard Hull	<i>Torrington, Conn.</i>	232 D.
Roger Benton Hull	<i>Greenfield, Mass.</i>	246 L.
Robert Woolsey Hume	<i>New Haven, Conn.</i>	254 Crown st.
Walter Waters Husted	<i>Denver, Colo.</i>	260 Crown st.
Anson Blake Jackson, Jr.	<i>Minneapolis, Minn.</i>	22 College st.
Charles Balfe Jackson	<i>Waterbury, Conn.</i>	134 F.

Isaac Lamson Jennings	Cleveland, O.	278 L.
Gerard Edward Jensen	Norwich, Conn.	273 L.
Frank Elmer Johnson	New Haven, Conn.	139 Rosette st.
Marshall Olds Johnson	Chicago, Ill.	273 L.
William Curtiss Johnson	Yonkers, N. Y.	210 D.
Jeremiah Howard Jones	Haverhill, Mass.	22 College st.
Guysbert Vroom Jordan	Clinton, Mass.	139 F.
Hal Rowe Kellogg	New Haven, Conn.	277 Crown st.
Frederick Trowbridge Kelsey	Orange, N. J.	1076 Chapel st.
James Madison Kennedy	Chicago, Ill.	236 Crown st.
Whitney Kernochan	New York City	22 College st.
Horace Ogden Kilbourn	Hartford, Conn.	237 D.
Charles Porter Kimball	New York City	237 D.
Clarence Hopkins King	St. Louis, Mo.	22 College st.
Joseph Casimir Kircher	Belleville, Ill.	228 D.
Karl Wendell Kirchwey	New York City	251 Crown st.
John Colby Kitchen	Presque Isle, Me.	89 S. M.
James Waller Knott	Chicago, Ill.	228 Crown st.
William Francis Knox	Pittsburg, Pa.	310 W.
Ralph Damon Kochersperger	New York City	236 Crown st.
Harold Kountze	Denver, Colo.	260 Crown st.
Stephen Leshner Landon	New York City	22 College st.
William James Larkin, Jr.	Waterbury, Conn.	241 L.
Robert Cathcart Latimer	York, Pa.	22 College st.
S. Beekman Laub	Natchez, Miss.	119 Wall st.
George Andrew LaVie, Jr.	Brooklyn, N. Y.	289 W.
Harold Dimock Lee	Leeds, Mass.	1076 Chapel st.
Norman Alvah Leonard	Willimantic, Conn.	100 Howe st.
Edmund Harris Lewis	Syracuse, N. Y.	22 College st.
Harry Sinclair Lewis	Sauk Center, Minn.	232 D.
Nathan Everett Lincoln	Walton, N. Y.	142 F.
Mitchell Stuart Little	Hartford, Conn.	260 Crown st.
Leighton Lobdell	Buffalo, N. Y.	42 College st.
Manice DeForest Lockwood, Jr.	Norwalk, Conn.	248 L.
Robert Ralph Lockwood	Zelienople, Pa.	42 College st.
Henry Stow Lovejoy	Janesville, Wisc.	247 L.
John Gilbert Lowe	Dayton, O.	240 D.
Tasker Gantt Lowndes	Cumberland, Md.	236 Crown st.
Franklin Alcott Lum	West Haven, Conn.	West Haven
George McAuliff	Chicago, Ill.	255 L.
Paul Ely McChesney	New Brunswick, N. J.	174 F.
Bowdoin Updike McClintock	Pittsburg, Pa.	469 FW.
Frank Stockton McClintock	Pittsburg, Pa.	470 FW.
Chauncey Brooks McCormick	Chicago, Ill.	22 College st.

Constantine Joseph MacGuire, Jr.	<i>New York City</i>	220 D.
Donald Francis MacKay	<i>New York City</i>	443 FW.
Sumner Thomas McKnight, Jr.	<i>Minneapolis, Minn.</i>	22 College st.
Rufus Sherrell Maddox	<i>Dellrose, Tenn.</i>	96 Howe st.
Herbert Lawrence Malcolm	<i>Melbourne, Australia</i>	147 F.
Howard Jones Mandell	<i>Ellington, Conn.</i>	209 D.
Francis Edgerton Manierre	<i>Chicago, Ill.</i>	22 College st.
Keith Rollin Manville	<i>Carbondale, Pa.</i>	204 D.
Robert Davies Marshall	<i>Painesville, O.</i>	247 L.
George Carrington Mason	<i>Chicago, Ill.</i>	254 Crown st.
Amasa Stone Mather	<i>Cleveland, O.</i>	22 College st.
Harold Mead	<i>Bakersfield, Vt.</i>	670 W. D.
Dwight Raymond Meigs	<i>Pottstown, Pa.</i>	22 College st.
Charles Goodwin Merriam	<i>Lexington, Mass.</i>	204 D.
John Jacob Metzger	<i>Olean, N. Y.</i>	249 L.
Schuyler Merritt Meyer	<i>New York City</i>	236 Crown st.
Robert Middlebrook, Jr.	<i>Kansas City, Mo.</i>	279 L.
James Raglan Miller	<i>Westfield, Mass.</i>	252 L.
William Crittenden Mooney, Jr.	<i>Woodsfield, O.</i>	215 D.
Francis William Moore	<i>Redlands, Cal.</i>	408 B.
Henry Butler Moore, Jr.	<i>Brooklyn, N. Y.</i>	417 B.
Raymond Bartlett Morris	<i>Olean, N. Y.</i>	129 F.
Philip Lefèvre Morrison	<i>Boston, Mass.</i>	226 D.
Reed Moyer	<i>Center Lisle, N. Y.</i>	155 Elm st.
Edward Theodore Newell	<i>Kenosha, Wisc.</i>	260 Crown st.
Douglas Keefer Noyes	<i>Orange, N. J.</i>	79 S. M.
Frederick Kinney Noyes	<i>Norwich, Conn.</i>	245 L.
Irving Sands Olds	<i>Erie, Pa.</i>	254 Crown st.
Charles Oliver	<i>Allegheny, Pa.</i>	22 College st.
Bertice Henry Olmstead	<i>Walton, N. Y.</i>	142 F.
Elbert Ellery Orcutt	<i>West Burke, Vt.</i>	435 Elm st.
Minott Augur Osborn	<i>New Haven, Conn.</i>	254 Crown st.
Charles Pomeroy Otis	<i>Andover, Mass.</i>	396 B.
Howard Earle Palmer	<i>Branford, Conn.</i>	Branford
Fred Amasa Parker	<i>Auburn, N. Y.</i>	138 F.
Arthur Newbury Parmelee	<i>Worcester, Mass.</i>	1076 Chapel st.
Eli Burton Parsons	<i>Troy, Pa.</i>	251 L.
Nicholas Elias Peieff	<i>Macedonia</i>	21 Lynwood pl.
Karlton Goodsell Percy	<i>Brookline, Mass.</i>	240 D.
Hervey Bates Perrin	<i>Indianapolis, Ind.</i>	326 W.
Robert Edward Pfeiffer	<i>Columbus, O.</i>	74 S. M.
Livingston Platt	<i>New York City</i>	22 College st.
George Boardman Potter	<i>Hartford, Conn.</i>	218 D.
Robert Hamilton Prentice	<i>Buffalo, N. Y.</i>	42 College st.

Edward Jerome Quinlan	<i>Meriden, Conn.</i>	Meriden
George Goble Quirk	<i>Oswego, N. Y.</i>	1076 Chapel st.
Fleming Hewitt Revell, Jr.	<i>Evanston, Ill.</i>	254 Crown st.
Harrison Pierce Rich	<i>Red Wing, Minn.</i>	1076 Chapel st.
Harold Wade Riggs	<i>Hartford, Conn.</i>	217 D.
Morgan Thomas Riley	<i>New York City</i>	452 FW.
Charles Francis Robbins, Jr.	<i>Indianapolis, Ind.</i>	260 Crown st.
Graham Robinson	<i>Kansas City, Mo.</i>	251 Crown st.
Howard LeChevalier Roome	<i>New York City</i>	22 College st.
Harold Arthur Rosenbaum	<i>New York City</i>	254 L.
Milton Alexis Rosenfeld	<i>New York City</i>	1076 Chapel st.
William Bradford Roulstone	<i>Nashville, Tenn.</i>	152 Temple st.
Benjamin Irving Rouse	<i>Rochester, N. Y.</i>	249 L.
Albert Billings Ruddock	<i>Chicago, Ill.</i>	463 Whitney av.
Donald Mitchell Ryerson	<i>Chicago, Ill.</i>	22 College st.
James Cox Sanderson	<i>Auburn, N. Y.</i>	245 L.
Ansley Wilcox Sawyer	<i>Buffalo, N. Y.</i>	22 College st.
Frederick Hirsheal Schmidt	<i>Le Mars, Iowa</i>	257 L.
George Schaefer Scott	<i>New York City</i>	22 College st.
Harold Bartlett Scott	<i>Syracuse, N. Y.</i>	22 College st.
Walter Hawley Scott	<i>Syracuse, N. Y.</i>	22 College st.
Richard Frank Seidensticker	<i>Meriden, Conn.</i>	261 L.
Clarence William Seymour	<i>Granby, Conn.</i>	239 D.
Henry Earl Sheffield	<i>Cleveland, O.</i>	22 College st.
Franklin Goldthwaite Sherrill	<i>Brooklyn, N. Y.</i>	458 FW.
John Elbert Shirk	<i>Tipton, Ind.</i>	1076 Chapel st.
Lewis Edmond Sisson	<i>New York City</i>	241 L.
Malcolm Douglas Sloane	<i>New York City</i>	254 Crown st.
George Washington Small	<i>New Haven, Conn.</i>	236 Crown st.
Charles Paget Smith	<i>Lebanon, Conn.</i>	87 s. M.
Everett Robbins Smith	<i>New Haven, Conn.</i>	40 Perkins st.
Frank Butts Smoyer	<i>Bethlehem, Pa.</i>	333 York st.
George Mark Sneath	<i>New Haven, Conn.</i>	268 L.
Gilbert Little Stark	<i>Saginaw, Mich.</i>	250 Crown st.
Edward Burgis Starr	<i>Cornwall, Conn.</i>	140 F.
Carleton Hickox Stevens	<i>New Haven, Conn.</i>	166 F.
Henry Harmon Stevens	<i>Watertown, N. Y.</i>	210 D.
Elias Robert Stevenson	<i>New Haven, Conn.</i>	15 Farren av.
Henry Bartlett Stimson	<i>New York City</i>	22 College st.
Albert Franklin Stone	<i>Bay City, Mich.</i>	1076 Chapel st.
Arthur Purdy Stout	<i>New York City</i>	228 Crown st.
Alfred Leon Stowe	<i>Southington, Conn.</i>	282 L.
McNeil Seymour Stringer	<i>St. Paul, Minn.</i>	1076 Chapel st.
Charles Cyprian Strong, 2d	<i>Detroit, Mich.</i>	1076 Chapel st.

Stuart Robinson Strong	<i>Portland, Oregon</i>	27 College st.
William George Sullivan	<i>Indianapolis, Ind.</i>	254 Crown st.
George Lewis Sutherland	<i>Fort Plain, N. Y.</i>	260 L.
Edward Francis Sweeney	<i>Naugatuck, Conn.</i>	224 D.
Stanley Adams Sweet	<i>Yonkers, N. Y.</i>	314 W.
Henry Hawley Swords	<i>Morristown, N. J.</i>	289 W.
Fred Branford Syphax	<i>Washington, D. C.</i>	419 B.
Walbridge Smith Taft	<i>New York City</i>	22 College st.
Senjiro Takagi	<i>Yokohama, Japan</i>	91 S. M.
Stephen Dows Thaw	<i>Pittsburg, Pa.</i>	453 FW.
Frederick Herrick Thomas	<i>Morristown, N. J.</i>	22 College st.
Hubert Fletcher Thomas	<i>Denver, Colo.</i>	22 College st.
Guy Van Zandt Thompson	<i>Cincinnati, O.</i>	249 Crown st.
Roy Smith Thompson	<i>Topeka, Kans.</i>	326 W.
Lauren Scott Thomson	<i>Bovina Centre, N. Y.</i>	142 F.
Montgomery Hunt Throop	<i>Albany, N. Y.</i>	260 L.
Charles Frederick Todd	<i>Saint Stephen, N. B.</i>	205 D.
Douglas Jay Torrey	<i>Scranton, Pa.</i>	260 Crown st.
Richard Rodermond Townsend	<i>Pittsburg, Pa.</i>	469 FW.
Calvin Truesdale	<i>Greenwich, Conn.</i>	22 College st.
Thomas Allen Tully	<i>Stapleton, N. Y.</i>	177 F.
George Coolidge Tuttle	<i>New York City</i>	22 College st.
Reuel Lincoln Twitchell	<i>Hartford, Conn.</i>	252 L.
George Underwood, Jr.	<i>Auburn, N. Y.</i>	344 WH.
Allan Eugene Updegraff	<i>Chicago, Ill.</i>	700 W. D.
John Adolf Vietor	<i>New York City</i>	22 College st.
Arthur Hill Vincent	<i>Saginaw, Mich.</i>	250 Crown st.
Daniel McNichol Wade	<i>Philadelphia, Pa.</i>	22 College st.
Herbert Hamilton Wagenhals	<i>Fort Wayne, Ind.</i>	312 W.
Wayne Winslow Wait	<i>Gloversville, N. Y.</i>	165 F.
Henry Freeman Walradt	<i>Needham, Mass.</i>	281 L.
Ira Davenport Waterman	<i>Detroit, Mich.</i>	260 Crown st.
Julius Edward Watterson	<i>Cleveland, O.</i>	311 W.
James Watson Webb	<i>New York City</i>	22 College st.
Ralph Eugene Weber	<i>Waterville, N. Y.</i>	404 B.
Benjamin Webster	<i>Waterbury, Conn.</i>	134 F.
Kenneth Ellingham Weeks	<i>Bridgeport, Conn.</i>	335 WH.
George Harold Weiss	<i>Schuylkill Haven, Pa.</i>	1076 Chapel st.
Thomas Edward Welsh	<i>Danbury, Conn.</i>	74 S. M.
Cortlandt Stuyvesant Wheeler	<i>Utica, N. Y.</i>	22 College st.
Ernest Cousins Wheeler	<i>Norwalk, Conn.</i>	248 L.
Robert Campbell Wheeler	<i>Chicago, Ill.</i>	314 W.
Henry Franklin Whitcomb, Jr.	<i>Milwaukee, Wisc.</i>	455 FW.
John Alan White	<i>Walton, N. Y.</i>	89 S. M.

Lewis Bliss Whittemore	<i>Hartford, Conn.</i>	239 D.
William Sheldon Whittlesey	<i>New Haven, Conn.</i>	135 Wall st.
Arthur Putnam Williamson	<i>Cleveland, O.</i>	43 College st.
George Wilshire	<i>Cleveland, O.</i>	22 College st.
Frank Eugene Wilson	<i>Clinton, Iowa</i>	401 B.
Frederick Hampden Winston	<i>Chicago, Ill.</i>	397 Temple st.
Lispenard Stewart Witherbee	<i>New York City</i>	22 College st.
Walter Bertram Wolf	<i>Chicago, Ill.</i>	411 B.
Brainard Hardy Woodward	<i>Cortland, N. Y.</i>	164 F.
Heathcote Muirson Woolsey	<i>New Haven, Conn.</i>	22 College st.
Henry Haight Wright	<i>Detroit, Mich.</i>	22 College st.
Thomas Goddard Wright, Jr.	<i>Phelps, N. Y.</i>	154 F.
William Francis Wrynn	<i>Wallingford, Conn.</i>	Wallingford
Bayard Daniel York	<i>North Stonington, Conn.</i>	418 B.
Russell Jewell Young	<i>Hartford, Conn.</i>	1076 Chapel st.

SOPHOMORES, 326

FRESHMAN CLASS

Albert Parker Abbe	<i>New Britain, Conn.</i>	572 P.
Robert Abbott	<i>Plainfield, N. J.</i>	237 York st.
Fred Davis Abrams	<i>Olean, N. Y.</i>	129 F.
Thomas Achelis	<i>New York City</i>	242 York st.
Carleton Mansfield Allen	<i>Hartford, Conn.</i>	38 Lynwood pl.
Herman Alofsin, 2d	<i>Norwich, Conn.</i>	79 Broad st.
Samuel Alpert	<i>New Haven, Conn.</i>	96 Washington av.
Frank Altschul	<i>New York City</i>	231 York st.
Danforth Fletcher Alvord	<i>Winsted, Conn.</i>	382 WH.
William McClure Andrews	<i>Youngstown, O.</i>	238 York st.
Edgar Hobbs Arnold	<i>Brooklyn, N. Y.</i>	274 L.
Gordon Auchincloss	<i>New York City</i>	203 York st.
James Coates Auchincloss	<i>New York City</i>	203 York st.
Joseph Howland Auchincloss	<i>New York City</i>	203 York st.
Albert Edwin Avey	<i>Cincinnati, O.</i>	143 F.
Everett Lee Baker	<i>Webster, N. Y.</i>	218 D.
Howard Bates Baker	<i>Leominster, Mass.</i>	44 Elm st.
Donald Campbell Bakewell	<i>Pittsburg, Pa.</i>	380 WH.
Roger Allan Baldwin	<i>Burlington, Iowa</i>	581 P.
Samuel Alexander Baldwin	<i>Sprecklesville, H. T.</i>	250 York st.
Simeon Baldwin	<i>Manzana, Cal.</i>	555 P.
Malcolm Sterling Banks	<i>Brooklyn, N. Y.</i>	600 P.
Harold Erwin Barnes	<i>New Haven, Conn.</i>	26 Lynwood pl.
Earl Morton Barnum	<i>Naugatuck, Conn.</i>	543 P.
David Nye Barrows	<i>New York City</i>	250 York st.
James Corbett Barry	<i>Rochester, N. Y.</i>	562 P.
Philip Curtis Kibling Bartlett	<i>St. Joseph, Mo.</i>	537 P.
Chauncey Perry Beadleston	<i>New York City</i>	242 York st.
Henry Sartwell Beardsley	<i>Auburn, N. Y.</i>	242 York st.
Roderick Beebe	<i>New York City</i>	559 P.
William Burke Belknap	<i>Louisville, Ky.</i>	250 York st.
David VerNooy Bennett	<i>Newburgh, N. Y.</i>	310 Elm st.
Edward Bennetto, Jr.	<i>Stratford, Conn.</i>	Stratford
George Reis Bart Berger	<i>Pittsburg, Pa.</i>	242 York st.
Lucius Horatio Biglow, 3d	<i>Montclair, N. J.</i>	237 York st.
Clifford Hershey Bissell	<i>New York City</i>	571 P.
Willard Samuel Bissell	<i>Waterville, N. Y.</i>	591 P.
Joseph Clarence Black	<i>Seattle, Wash.</i>	381 WH.
Lewis Samuel Boothe	<i>Shelton, Conn.</i>	159 York st.
Andrew Linn Bostwick	<i>Montclair, N. J.</i>	231 York st.

Richard Hassard Boswell	<i>Brooklyn, N. Y.</i>	272 L.
Rowland Sherwood Bosworth	<i>Providence, R. I.</i>	168 P.
Jonathan Sawyer Bradley	<i>Dover, N. H.</i>	242 York st.
Caleb Smith Bragg	<i>Cincinnati, O.</i>	248 York st.
Ambrose Breese, Jr.	<i>Chicago, Ill.</i>	700 W. D.
Frank Eugene Bridgett	<i>Wallingford, Conn.</i>	Wallingford
Ralph Shepherd Bromer	<i>Schwenkville, Pa.</i>	529 P.
Harold Brooks	<i>New York City</i>	250 York st.
Baird Broomhall	<i>Troy, O.</i>	9 Library st.
Burt Layton Brown	<i>Gloversville, N. Y.</i>	224 D.
Hamilton Mabie Brush	<i>Greenwich, Conn.</i>	90 Wall st.
Fisher Ames Buell	<i>Clinton, Conn.</i>	561 P.
Richard Beaumaris Bulkeley	<i>Hartford, Conn.</i>	248 York st.
Nathan Hollister Bundy	<i>Grand Rapids, Mich.</i>	582 P.
Hillier McClure Burrowes	<i>Coeymans, N. Y.</i>	270 L.
Ronald Muirhead Byrnes	<i>Norwich, Conn.</i>	120 High st.
Thomas James Camp	<i>Seymour, Conn.</i>	395 B.
Wylie Welling Carhartt	<i>Detroit, Mich.</i>	250 York st.
Gordon Case	<i>Peconic, N. Y.</i>	333 York st.
George Edward Catlin	<i>New Haven, Conn.</i>	134 Howe st.
Reginald Woodward Catlin	<i>Brooklyn, N. Y.</i>	522 P.
Ralph Waldo Chase	<i>Farmington, Conn.</i>	264 L.
Francis Deraismes Childs	<i>Hartford, Conn.</i>	93 S. M.
Hugh Joseph Chisholm, Jr.	<i>New York City</i>	238 York st.
Clinton Clark	<i>Buffalo, N. Y.</i>	583 P.
Loyal Brown Clark	<i>Cornwall, Conn.</i>	193 Bassett st.
Waldo Park Clement, Jr.	<i>New York City</i>	526 P.
Guy Cory Cleveland	<i>Orange, N. J.</i>	540 P.
Philip Hamilton Collins	<i>Cleveland, O.</i>	545 P.
Edward Chester Congdon	<i>Duluth, Minn.</i>	242 York st.
Raymond Vere Congdon	<i>Yantic, Conn.</i>	528 P.
Lawrence Merritt Connell	<i>Scranton, Pa.</i>	22 College st.
Richard Lord Jones Conner	<i>Rye, N. Y.</i>	564 P.
Oscar Henry Cooper, Jr.	<i>Abilene, Texas</i>	13 Lake pl.
Starr Gardiner Cooper	<i>Brooklyn, N. Y.</i>	522 P.
Leonard Jacob Crawford, Jr.	<i>Fort Thomas, Ky.</i>	567 P.
Charles Templeton Crocker	<i>San Mateo, Cal.</i>	242 York st.
Walter Morgan Crunden	<i>St. Louis, Mo.</i>	242 York st.
James Cunningham	<i>San Francisco, Cal.</i>	22 College st.
Daniel Joseph Curran	<i>Haverhill, Mass.</i>	266 L.
Charles Gould Curtiss	<i>Buffalo, N. Y.</i>	22 College st.
Geoffrey Curtiss	<i>Buffalo, N. Y.</i>	238 York st.
William Strong Cushing	<i>Simsbury, Conn.</i>	546 P.
John Dick Cutter, Jr.	<i>Brooklyn, N. Y.</i>	600 P.

George Dahl	Chicago, Ill.	173 F.
Edward Stiles Davey	Jersey City, N. J.	381 WH.
Walter Goodwin Davis, Jr.	Portland, Me.	242 York st.
Franklin Augustus Dean, Jr.	Allegheny, Pa.	22 College st.
Lewis Henry DeBaun	Brooklyn, N. Y.	366 WH.
Sydney Beauclerc DeGolyer	Springfield, Mass.	250 York st.
Eugene Delano, Jr.	New York City	539 P.
Harmar Denny Denny, Jr.	Allegheny, Pa.	250 York st.
John Maurice Deyo	Fairfield, Conn.	360 WH.
Conway Wing Dickson	Berwick, Pa.	536 P.
Chandler Diehl	Highland Park, Ill.	296 W.
Tyson Mauzey Dines	Denver, Colo.	250 York st.
Courtlandt Palmer Dixon	New York City	238 York st.
Dunham Brown Dodge	St. Louis, Mo.	310 W.
Malcolm Graham Douglas	Chestnut Hill, Pa.	535 P.
Charles Bigelow Drake	St. Paul, Minn.	242 York st.
Walter Remy Dray	Chicago, Ill.	541 P.
Theodore Ives Driggs	Waterbury, Conn.	22 College st.
Prescott Dudley	Chicago, Ill.	237 York st.
Ralph Henry Dunning	Auburn, N. Y.	139 F.
Charley Meredith DuPuy	Allegheny, Pa.	327 W.
Ernest Arthur Eddy	St. Louis, Mo.	554 P.
Robert Bacon English	Hartford, Conn.	550 P.
Joseph Sherman Euans	Watseka, Ill.	250 York st.
Lewis Charles Everard	New Orleans, La.	42 Lake pl.
Robert Fairbanks	Indianapolis, Ind.	254 York st.
Haliburton Fales, Jr.	New York City	233 York st.
Edward Spottiswoode Faust	New York City	237 York st.
Edward Lincoln Fenn	Winsted, Conn.	250 York st.
David Ferguson	Manchester, Conn.	77 S. M.
John Elliott Field	New Haven, Conn.	33 Lynwood pl.
John Henry Fitzgerald, Jr.	Hebron, Conn.	270 L.
Joseph Taylor Foster	Scranton, Pa.	242 York st.
Denton Fowler, 3d	Haverstraw, N. Y.	535 P.
Thomas Coolidge Fowler	Glens Falls, N. Y.	233 York st.
Sydney Joseph Frank	Chicago, Ill.	172 F.
Leonard Henry Freiberg	Cincinnati, O.	237 York st.
Sydney Dodd Frissell	Hampton, Va.	233 York st.
Robert Henry Fruin	Waterbury, Conn.	60 Ashmun st.
George Napoleon Gaboury	Chicopee Falls, Mass.	919 Howard av.
William Gammell, Jr.	Providence, R. I.	238 York st.
Walter Emery Gard	Meriden, Conn.	553 P.
George Taylor Garnsey	Gloversville, N. Y.	590 P.
Chauncey Brewster Garver	New York City	329 W.

Lorin Henry Gates	Thomaston, Conn.	250 L.
William Luther Gaylord	Pasadena, Cal.	164 F.
Frank James Giblin	Westborough, Mass.	364 WH.
Charles Howard Gilbert	Brooklyn, N. Y.	553 P.
Frederick Augustus Godley	New York City	579 P.
Irving Goldenburg	New Haven, Conn.	35 Nash st.
Francis Yarrington Goodell	Montclair, N. J.	589 P.
Barzilla Parks Gooden	Willow Grove, Del.	223 D.
Ralph Edward Goodwin	East Hartford, Conn.	568 P.
Frank Gosnell, Jr.	Baltimore, Md.	242 York st.
Harvey Graham	New York City	580 P.
George Jackson Grammer, Jr.	Cleveland, O.	250 York st.
John William Grant	Bridgeport, Conn.	233 York st.
Ernest Carlton Green	East Hartford, Conn.	593 P.
James W. Green, Jr.	Gloversville, N. Y.	262 L.
Donald Greene	St. Louis, Mo.	554 P.
Dwight Torrey Griswold	Erie, Pa.	599 P.
Frank Simpson Groves, Jr.	Kansas City, Mo.	250 York st.
Joseph Thomas Hagan	Piqua, O.	7 Library st.
Robert Hager, Jr.	New York City	250 York st.
Fort Hammond	Savannah, Ga.	7 College st.
Jule Murat Hannaford, Jr.	St. Paul, Minn.	242 York st.
Robert Ward Harris	Asheville, N. C.	250 York st.
Walter Henry Hart	Waterbury, Conn.	9 Library st.
Cornelius DeForest Haskell	Wakefield, Nebr.	576 P.
Richard Withington Hawes	Somerville, Mass.	78 Lake pl.
Michael Conran Hayes	Waterbury, Conn.	287 York st.
Vincent Eugene Healy	Chicago, Ill.	242 York st.
Arly Luther Hedrick	Kansas City, Mo.	248 York st.
James Pendleton Helm, Jr.	Louisville, Ky.	250 York st.
Louis Lee Hemingway	New Haven, Conn.	327 Temple st.
Graham Shields Hislop	New London, Conn.	22 College st.
Melville Espe Hitchcock	Ansonia, Conn.	114 High st.
Samuel Newton Holliday, 2d	St. Louis, Mo.	248 York st.
Burton Johnson Hollister	Evansville, Wisc.	527 P.
Nathaniel Holmes	Pittsburg, Pa.	242 York st.
Davenport Hooker	Brooklyn, N. Y.	211 D.
Thomas Hooker	Hartford, Conn.	242 York st.
Charles Robert Housum	Cleveland, O.	248 York st.
Samuel Lamson Howell	Philadelphia, Pa.	556 P.
Edward Kenneth Hoyt	New York City	242 York st.
Henry Martyn Hoyt, Jr.	Washington, D. C.	260 Crown st.
James Lanman Hubbard	Norwich, Conn.	1076 Chapel st.
Frederick Gray Hudson, Jr.	Monroe, La.	43 College st.

DeForest Hulburd	Chicago, Ill.	238 York st.
John Clarke Hull	Seymour, Conn.	105 Park st.
John Irving Hull	South Coventry, Conn.	143 F.
Otis Scott Humphrey	Springfield, Ill.	560 P.
Ralph Dresser Hunting	Cedar Rapids, Iowa	169 F.
Clarke Stanley Hurlbut	Philadelphia, Pa.	248 York st.
Horace Lyman Huson	Derby, Conn.	223 D.
Harold Thomas Fuller Husted	Kenmore, N. Y.	379 WH.
John Cornelius Hyde	Westfield, Mass.	105 York st.
Charles Elliott Ide	Syracuse, N. Y.	587 P.
Harry Miner Ives	Danbury, Conn.	523 P.
Raymond Ives	New York City	242 York st.
Alfred Louis Jackson	Washington, D. C.	102 Eaton st.
Henry Hollister Jackson	Barre, Vt.	176 F.
Donald Lines Jacobus	New Haven, Conn.	26 Court st.
Stephen Jennings	Deep River, Conn.	236 Crown st.
George Metcalf Johnson	New Haven, Conn.	366 Whalley av.
John Quincy Adams Johnson, Jr.	Yonkers, N. Y.	574 P.
Benjamin Franklin Jones	Nanticoke, Pa.	399 Elm st.
Clarence Drummond Jones	St. Louis, Mo.	242 York st.
Richard Michael Joy	Waterbury, Conn.	223 D.
Joseph Paul Kaufman	Fall River, Mass.	173 F.
LeRoy Mervyn Kellas	Malone, N. Y.	231 York st.
Howard Kenworthy	Poughkeepsie, N. Y.	250 York st.
Harold Brown Keyes	Hartford, Conn.	586 P.
Robert Saxe Kinsey	Cincinnati, O.	531 P.
Russell Dyer Kittredge	Westfield, Mass.	64 Howe st.
Charles Whittemore Knapp	Poughkeepsie, N. Y.	584 P.
Ellis Knowles	Pensacola, Fla.	231 York sq.
Hugh Smith Knox	Washington, D. C.	22 College st.
Geoffrey Konta	St. Louis, Mo.	536 P.
Edwin Selden Lane	Philadelphia, Pa.	594 P.
Julius Ansgar Larsen	New Haven, Conn.	163 York st.
Edward Elliott Lattin	Shelton, Conn.	157 F.
John Harold Lawrence	Charleston, S. C.	251 Crown st.
Hugh Ledyard	Detroit, Mich.	250 York st.
William Rockwell Leete	New Haven, Conn.	205 Orchard st.
George Simpson LeVally	Chicago, Ill.	250 York st.
Howard Bishop Lewis	Southington, Conn.	411 Orange st.
Lester Sweet Lewis	Buffalo, N. Y.	22 College st.
Nestor Searle Light	South Coventry, Conn.	65 York sq.
William Benjamin Lipphardt	Buffalo, N. Y.	5 1/2 Redfield st.
Francis Percy Loveland	Denver, Colo.	242 York st.

John Louis Lowe	<i>New Haven, Conn.</i>	362 Grand av.
Charles Fisher Luther	<i>Milton, Mass.</i>	534 P.
Theodore Bird Lyon	<i>New Haven, Conn.</i>	278 Orange st.
William Howard Lyon	<i>Cincinnati, O.</i>	242 York st.
Maurice Francis Lyons	<i>Indian Orchard, Mass.</i>	269 L.
John Charles McCarthy	<i>McLean, N. Y.</i>	164 F.
Irving J. MacDuffie, Jr.	<i>Le Mars, Iowa</i>	271 L.
Daniel Carroll McEuen	<i>East Orange, N. J.</i>	521 P.
Charles James McGraw	<i>Augusta, Me.</i>	96 Howe st.
Ralph Porter Mackenzie	<i>Lima, O.</i>	231 York st.
William Holmes Mackenzie	<i>Lima, O.</i>	231 York st.
Arthur James McKenna	<i>New York City</i>	220 D.
Raymond Richard McOrmond	<i>Haverhill, Mass.</i>	228 D.
Charles Mallory	<i>Mystic, Conn.</i>	578 P.
John Harper Mallory	<i>Pittsburg, Pa.</i>	237 York st.
Philip Rogers Mallory	<i>Brooklyn, N. Y.</i>	242 York st.
Alan Newhall Mann	<i>Buffalo, N. Y.</i>	557 P.
Ernest Kibbe Manning	<i>North Franklin, Conn.</i>	92 S. M.
Simon Seeling Marks	<i>Meridian, Miss.</i>	250 York st.
Frank Gilbert Marsh	<i>Winsted, Conn.</i>	233 York st.
Thomas Mercer Marshall, 3d	<i>Pittsburg, Pa.</i>	237 York st.
William Lesley Mason	<i>Easthampton, Mass.</i>	169 F.
Charles Christopher Mengel, Jr.	<i>Louisville, Ky.</i>	242 York st.
Charles Edward Messerly, Jr.	<i>Sedalia, Mo.</i>	250 York st.
William Henry Milholland	<i>Walden, N. Y.</i>	165 F.
Douglas Miller	<i>Glen Ridge, N. J.</i>	231 York st.
Lawrence Vernon Miller	<i>Baltimore, Md.</i>	237 York st.
James Lynn Mitchell	<i>Franklin, Pa.</i>	22 College st.
Mark Lincoln Mitchell	<i>Cincinnati, O.</i>	237 York st.
August Charles Mitke	<i>Freeland, Pa.</i>	120 York st.
Albert John Mohlman	<i>Brielle, N. J.</i>	242 York st.
John Warner Moore	<i>Carlisle, Pa.</i>	575 P.
Paul Moore	<i>New York City</i>	242 York st.
Reuben Henry Morrish	<i>Wilkes-Barre, Pa.</i>	537 P.
Samuel Finley Brown Morse	<i>Newtonville, Mass.</i>	22 College st.
Frederic Timothy Murphy	<i>New York City</i>	238 York st.
Joseph William Murphy	<i>Brooklyn, N. Y.</i>	592 P.
Leroy Russell Myers	<i>Auburn, N. Y.</i>	148 F.
Gilbert Nairn	<i>Hartford, Conn.</i>	1076 Chapel st.
Homer Chidsey Neal	<i>Southington, Conn.</i>	271 L.
Frank Hermon Nettleton	<i>New Haven, Conn.</i>	264 Lloyd st.
Henry Dutton Noble, Jr.	<i>Auburn, N. Y.</i>	250 York st.
Francis Ely Norris	<i>Boonton, N. J.</i>	558 P.
Oliver Burnham North	<i>New Haven, Conn.</i>	83 Pearl st.

Haskell Noyes	Milwaukee, Wisc.	242 York st.
Robert Hale Noyes	St. Paul, Minn.	242 York st.
Philip Scudder Ordway	Winchester, Mass.	521 P.
Samuel Gilman Ordway	St. Paul, Minn.	250 York st.
Arthur Dimon Osborne, 2d	New Haven, Conn.	52 Trumbull st.
Patrick Brett O'Sullivan	Derby, Conn.	Derby
Sidney Rollins Overall	St. Louis, Mo.	217 York st.
Simon Truby Patterson	Kittanning, Pa.	236 Crown st.
Theodore Gordon Peck, Jr.	W. Haverstraw, N. Y.	242 York st.
George Albert Peirce	Winterport, Me.	250 York st.
Lester William Perrin	New Haven, Conn.	328 W.
William Augustine Perry	Tarboro, N. C.	420 B.
John Punnett Peters	New York City	552 P.
William Richmond Peters, Jr.	New York City	552 P.
Duncan Clinch Phillips, Jr.	Washington, D. C.	248 York st.
James Laughlin Phillips	Washington, D. C.	248 York st.
Howard Phipps	New York City	22 College st.
Otto Carl Pickhardt	New York City	250 York st.
Philip Hale Pierson	Wellesley Hills, Mass.	261 L.
John Thomas Pigott, Jr.	Helena, Mont.	596 P.
Harold Sackett Pond	Washington, Conn.	128 Howe st.
Donald Wallace Porter	New Haven, Conn.	215 Whitney av.
Eliot Hale Porter	New Britain, Conn.	570 P.
Ernest Marcus Porter	Auburn, N. Y.	138 F.
Graham Cummings Porter	New Haven, Conn.	1173 Chapel st.
Edward Leander Pratt	Lewiston, Me.	291 W.
Karl Preston	Wilmington, Del.	27 College st.
Edwin Pugsley	Buffalo, N. Y.	551 P.
Michael James Quinn	New Haven, Conn.	157 F.
William Lutkins Rae	Jersey City, N. J.	238 York st.
Edward Raymond	Bedford, N. Y.	380 WH.
Gomer Henry Rees	Paris, Texas	209 D.
Ray John Reigeluth	Carbondale, Pa.	276 Prospect st.
Donald Louis Reynolds	Toledo, O.	250 York st.
Leonard Richards, Jr.	New York City	237 York st.
Walter Richardson	St. Paul, Minn.	584 P.
Henry Alsop Riley	New York City	452 FW.
Wright Haffards Robertson	Fall River, Mass.	567 P.
Paul Goodwin Robison	Curwensville, Pa.	209 D.
Robert William Rosenberg	Springfield, Mass.	156 Grove st.
Gustave Jennings Rosenn	Bridgeport, Conn.	217 York st.
Beekman Oliver Rouse	Rochester, N. Y.	530 P.
Schuyler Humphrey Rust	New Brunswick, N. J.	525 P.
Arthur Judd Ryan	New York City	22 College st.

John Harold Ryan	Toledo, O.	379 WH.
Arnold Schmidt	South Manchester, Conn.	77 S. M.
William David Scholle	New York City	250 York st.
Ambrose Scott	Portland, Oregon	250 Crown st.
Robert Enos Scragg	Scranton, Pa.	573 P.
George Alexander Seligmann	New York City	250 York st.
Joseph Lionel Seligman	New York City	538 P.
Arthur Warren Selleck	White Plains, N. Y.	1076 Chapel st.
Charles Seymour	New Haven, Conn.	34 Hillhouse av.
Robert Alphonso Shackleton	Riverhead, L. I.	87 Ashmun st.
Archie McDaniels Sheldon	Rutland, Vt.	231 York st.
Roger Bulkley Shepard	St. Paul, Minn.	242 York st.
Harold Briggs Sherman	Newtonville, Mass.	588 P.
Roger Sherman	Salt Lake City, Utah	242 York st.
Albert William Shields	Philadelphia, Pa.	250 Crown st.
Frank Ronald Simmons	Providence, R. I.	228 Crown st.
John Wyness Skinner	Holyoke, Mass.	468 FW.
Raymond Bates Small	Hartwell, O.	250 York st.
Charles McLean Smith	Hartford, Conn.	586 P.
Richard Roy Smith	Chicago, Ill.	598 P.
Donald McLean Somers	Brooklyn, N. Y.	251 L.
George Henry Soule, Jr.	Stamford, Conn.	524 P.
William Norwood Sparhawk	West Swansey, N. H.	719 W. D.
Albert Tenney Spaulding	Santa Barbara, Cal.	242 York st.
Samuel Strong Spaulding	Santa Barbara, Cal.	242 York st.
Joel Andrew Sperry, 2d	New Haven, Conn.	22 Trumbull st.
Morry William Spitz	Chicago, Ill.	585 P.
Roland Adelbert Spitzer	Toledo, O.	382 WH.
Harold Stanley	Great Barrington, Mass.	242 York st.
Maurice Stanley	New Britain, Conn.	570 P.
Henry Bascom Stapler	Pelham Manor, N. Y.	250 York st.
Roswell Hiram Steele	Brooklyn, N. Y.	1076 Chapel st.
James Hale Steinman	Lancaster, Pa.	563 P.
Richard Mifflin Stephens	Kansas City, Mo.	233 York st.
Frederick Nelson Stevens	Kendall, N. Y.	42 Lake pl.
Calder Bay Stewart	New York City	250 York st.
Donald Barton Stewart	New York City	577 P.
Ralph Fernhead Stoddard	Belleville, N. J.	176 F.
Howard Sturges	Providence, R. I.	238 York st.
Leonard Sullivan	New York City	250 York st.
Cyril Sumner	Rochester, N. Y.	22 College st.
Samuel Swift	New York City	238 York st.
Edgar Wendell Tait	Bradford, Pa.	533 P.
Harrison Wood Talcott	South Bend, Ind.	532 P.

David Esson Taylor, Jr.	Scranton, Pa.	22 College st.
Horace Van Sands Taylor	Hartford, Conn.	568 P.
Thomas Anthony Thacher	Baltimore, Md.	599 P.
Gordon Chalfield Thayer	Brooklyn, N. Y.	242 York st.
Gaylord Thomas	Chicago, Ill.	250 Crown st.
James Carlton Thornton	Bedford, Ind.	329 W.
Dennis Bascombe Tilson	Grapevine, N. C.	422 B.
Vernon Victor Tilson	Grapevine, N. C.	422 B.
Charles Augustus Tournier	Auburn, N. Y.	148 F.
George Henry Townsend, 2d	New Haven, Conn.	328 W.
James Mulford Townsend, Jr.	New York City	544 P.
Ernest Bell Tracy	St. Louis, Mo.	22 College st.
Roger Culver Tredwell	Brooklyn, N. Y.	205 D.
Moore Caldwell Tussey	Salina, Pa.	209 D.
Henry Carlisle Tuttle	Naugatuck, Conn.	548 P.
William Finney Tyler	Seattle, Wash.	266 L.
Robert Bruner Umberger	Wyoming, Pa.	83 S. M.
Kennard Underwood	Auburn, N. Y.	549 P.
Laurence Vail Updegraff	Chicago, Ill.	700 W. D.
William Stephen VanRensselaer	New York City	238 York st.
Elmer Chester Louis Wagner	Simsbury, Conn.	114 High st.
Thomas Joseph Walker	St. Louis, Mo.	119 Wall st.
William John Walker	Albany, N. Y.	250 York st.
Robert Lambert Wallace	Perry, N. Y.	22 College st.
William Kay Wallace	Florence, Colo.	250 York st.
Clarke Washburne	Chicago, Ill.	242 York st.
Joshua Boone Waterworth	Brooklyn, N. Y.	233 York st.
Charles Law Watkins	Scranton, Pa.	330 W.
Royall Richard Watkins	Athens, Texas	13 Lake pl.
Hicks Arnold Weatherbee	New York City	250 York st.
Lawrence Guthrie Weaver	Chicago, Ill.	250 York st.
Gilbert Osgood Webb	Norwich, Conn.	9 Library st.
Henry Walter Webb	New York City	203 York st.
Lewis Hill Weed	Cleveland, O.	242 York st.
William Stix Weiss	New York City	250 York st.
Kenneth Brakeley Welles	Scranton, Pa.	330 W.
Donald Breckenridge Wells	Hartford, Conn.	246 L.
Harold Sherman Wells	Scranton, Pa.	22 College st.
Thomas Perry Wells	Kingston, R. I.	231 York st.
Arthur Harold Weston	Mount Vernon, Me.	72 Center st. W. H.
Edwin Adolph Wetzlar	New York City	86 Wall st.
Edward Luther White	Waterbury, Conn.	47 P.
Robert George White	Hartford, Conn.	217 D.
Rollin Thomas White	Brattleboro, Vt.	287 York st.

Arthur Murray Whitehill	Newburgh, N. Y.	422 B.
Isadore David Whitestone	Bradford, Pa.	597 P.
Henry Clarence Wick, Jr.	Cleveland, O.	242 York st.
Warren Ball Wilkes	Buffalo, N. Y.	585 P.
Dudley Willcox	Lawrenceville, N. J.	595 P.
Morris Leggett Willets	Flushing, N. Y.	551 P.
James Willard Williams	Glastonbury, Conn.	583 P.
Milton Wilson	Chicago, Ill.	250 York st.
Arthur Wren	Bridgeport, Conn.	233 York st.
Herbert David Wright	Cleveland, O.	231 York st.
William Wilford Wynkoop	Tacoma, Wash.	168 F.
Howard Vernon Yergin	Clyde, N. Y.	217 York st.

FRESHMEN, 403

SUMMARY

SENIORS	285
JUNIORS	267
SOPHOMORES	320
FRESHMEN	403
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							1275

SHEFFIELD SCIENTIFIC SCHOOL

GRADUATE STUDENTS

WITH THEIR MAJOR SUBJECTS OF STUDY

Hubert Hillary Suffern Aimes, PH.B.	<i>West Haven, Conn.</i>	267 Orange st.	Economics
Yale University 1897			
William Gilbert Anderson, M.D.	<i>New Haven, Conn.</i>	1187 Chapel st.	Physiology
Western Reserve University 1883,			
B.A. Yale University 1902,			
M.A. Yale University 1903			
Irving Atwater Andrew, PH.B.	<i>Orange, Conn.</i>		Orange
Yale University 1903			Chemistry
Raymond Harman Ashley, B.S.	<i>Bound Brook, N. J.</i>	102 York sq.	Mineralogy
Rutgers College 1903			
Edward Monroe Bailey, Jr., PH.B.	<i>Middletown, Conn.</i>	297 York st.	Physiol. Chemistry
Yale University 1902			
Joseph Austin Bancroft, B.A.	<i>Acaciaville, Nova Scotia</i>	569 P.	Botany and Geology
Acadia University 1903,			
B.A. Yale University 1904			
Kate Grace Barber, B.S.	<i>Carolina, R. I.</i>	136 Division st.	Botany and Chemistry
Rhode Island College 1903			
Gerald Hamilton Beard, B.A.	<i>New Haven, Conn.</i>	624 E. D.	Chemistry and Biology
Yale University 1887,			
B.D. Yale University 1890,			
PH.D. Yale University 1892			
Avard Longley Bishop, B.A.	<i>Lawrencetown, Nova Scotia</i>	120 York st.	Economics
Acadia University 1901,			
B.A. Yale University 1903,			
M.A. Yale University 1904			
Jacob Foster Bitner, B.A.	<i>Spring Mills, Pa.</i>	42 Lake pl.	Botany
Franklin and Marshall College 1904			
Harold Cornelius Bradley, B.A.	<i>New Haven, Conn.</i>	2 Hillhouse av.	Physiol. Chemistry
University of California 1900			
Walter Minor Bradley, PH.B.	<i>New Haven, Conn.</i>	1346 Chapel st.	Mineralogy
Yale University 1899			
Howard Stanley Bristol, PH.B.	<i>Meriden, Conn.</i>	162 S. L.	Chemistry
Yale University 1902			

James Brown, B.A. Yale University 1902, M.A. Yale University 1903	Buffalo, N. Y. Mineralogy	230 D.
Douglas Lord Bryant, PH.B. Yale University 1903	West Haven, Conn. Chemistry and Metallurgy	West Haven
Henry Seidel Canby, PH.B. Yale University 1899	Wilmington, Del. English	3 B. M. H.
Virginius Nelson Carney, B.A. Lincoln University 1899, B.D. Yale University 1904	Chicago, Ill. Biology	618 E. D.
Adelbert Putnam Chapman, B.A. Yale University 1865	Northfield, Conn. Botany	602 E. D.
George Frederic Chatfield, PH.B. Yale University 1903	New Haven, Conn. Chemistry	268 Humphrey st.
Samuel Hopkins Clapp, B.A. Yale University 1901	Pawtucket, R. I. Chemistry	721 W. D.
Ralph Oakley Clock, PH.B. Yale University 1901, M.D. University of Pennsylvania 1904	New York City Biology	2 Hillhouse av.
Oliver Eugene Closson, PH.B. Yale University 1903	Meriden, Conn. Physiol. Chemistry	466 FW.
Frederick Sears Coe, PH.B. Yale University 1899	Newark, N. J. Mechanical Engineering	A.
Henry Carlton Courten, B.A. Yale University 1904	Palmyra, N. Y. Biology and Chemistry	387 Temple st.
William Bronson Cramer, PH.B. Yale University 1902	New Haven, Conn. Chemistry	147 Dwight st.
David Raymond Curtiss, B.A. University of California 1899, M.A. University of California 1901, PH.D. Harvard University 1903	New Haven, Conn. Mathematics	220 Lawrence st.
Haroutune Mugurdich Dadourian, PH.B. Yale University 1903	Tarsus, Asia Minor Physics	131 High st.
Charles Franklin Dike, PH.B. Yale University 1904	Crystal Lake, Ill. Mining Engineering	114 High st.
Samuel William Dudley, PH.B. Yale University 1900, M.E. Yale University 1903	Westville, Conn. Mechanical Engineering	671 W. D.
Henry Bridget Endicott, PH.B. Yale University 1904	Swarthmore, Pa. Sanitary Engineering	126 Wall st.

- Robert Banks Gibson, PH.B. *New Haven, Conn.* 18 Trumbull st.
Yale University 1902 Physiology and Physiol. Chemistry
- Arthur Harmount Graves, B.A. *Hartford, Conn.* 91 Grove st.
Yale University 1900 Botany
- Lars Johan Evald Hallander *Sköfde, Sweden* 65 Lyon st.
Nya Elemantarskolan, Stockholm 1891, German
Upsala University 1893
- Isaac Faust Harris, B.S. *New Haven, Conn.* 121 Huntington st.
University of North Carolina 1900, Physiol. Chemistry and Physiology
M.S. University of North Carolina 1903
- Frederick William Heyl, PH.B. *New Haven, Conn.* 106 Wooster st.
Yale University 1904 Chemistry
- John Joseph Higgins, B.A. *New Haven, Conn.* 569 Grand av.
Yale University 1898 Chemistry
- Raymond Thompson Hill, B.A. *Branford, Conn.* 202 D.
Yale University 1904 French
- Gay Hills, B.A. *Swansey, N. H.* 25 Whalley av.
Dartmouth College 1904 Botany
- Ichiro Hirano *Tokyo, Japan* 1161 Chapel st.
Keiogijiku University 1902 Economics
- Francis Jerome Holder, B.S. *Lacrosse, Fla.* Mem. Hall
National Normal University 1896 Mathematics
- James Ashworth Howarth, LL.B. *New Haven, Conn.* 34 Vernon st.
Yale University 1896 Botany
- Albert Kemp Hubbard, PH.B. *Kane, Pa.* A.
Yale University 1901 Civil Engineering
- Frederick William Hudson Jacombe, B.A. *Guelph, Ont.* 153 Dwight st.
University of Toronto 1896, Botany
M.A. University of Toronto 1898
- Carl Oscar Johns, B.A. *Paterson, N. J.* 162 S. L.
Bethany College 1899, Chemistry
M.A. Bethany College 1902,
PH.B. Yale University 1904
- Junichiro Kinoshita *Tokyo, Japan* 919 Howard av.
Doshisha University 1897 Economics
- Arthur Potter Knight, PH.B. *Rome, N. Y.* A.
Yale University 1901 Sanitary Engineering
- Beverly Waugh Kunkel, PH.B. *Harrisburg, Pa.* 720 W. D.
Yale University 1901 Biology

George Herbert Lamson, Jr., B.S. Boston University 1903	<i>Easthampton, Conn.</i> 64 Lake pl. Zoology and Geology
William Gilbert Lathrop, B.A. Brown University 1889, A.D. Yale University 1892	<i>Shelton, Conn.</i> Shelton Economics
Ellis Earl Lawton, B.S. University of Rochester 1902	<i>Syracuse, N. Y.</i> 120 York st. Mathematics
Louis Henry Levy, PH.B. Yale University 1904	<i>New Haven, Conn.</i> 138 Minor st. Chemistry
William Albert Lilley, Jr., PH.B. Yale University 1903	<i>New Haven, Conn.</i> 37 College st. Mechanical Engineering
Gerald Francis Loughlin, B.S. Mass. Institute of Technology 1903	<i>Boston, Mass.</i> 73 Lake pl. Geology and Mineralogy
George Blakeman Lovell, B.A. Yale University 1901, M.A. Yale University 1903	<i>New Haven, Conn.</i> 91 Dwight st. German
Raymond Benedict McClenon, B.A. Yankton College 1902	<i>New Haven, Conn.</i> 366 Whalley av. Mathematics
Elmer Verner McCollum, B.A. University of Kansas 1903, M.A. University of Kansas 1904	<i>Lawrence, Kans.</i> 285 Willow st. Chemistry and Mineralogy
Ernest Frank McGregor, B.A. University of Minnesota 1901, B.D. Yale University 1904	<i>Avon, Conn.</i> 684 W. D. Economics
Antonio Mendoza, PH.B. Yale University 1903	<i>Havana, Cuba</i> 88 Wall st. Chemistry and Engineering
George Albert Menge, PH.B. Yale University 1903	<i>New Haven, Conn.</i> 114 Howe st. Chemistry
Arthur Dorland Miles, PH.B. Yale University 1904	<i>New Carlisle, Ind.</i> 98 York sq. Mineralogy and Geology
Hiram Miller, PH.B. Yale University 1901	<i>Middlefield, Conn.</i> A. Sanitary Engineering
Philip Henry Mitchell, PH.B. Yale University 1904	<i>South Britain, Conn.</i> 98 York sq. Physiology and Physiol. Chemistry
Seth Enoch Moody, B.S. Dartmouth College 1898, M.S. Yale University 1904	<i>Agency, Iowa</i> 143 Dwight st. Mineralogy
Henry Thomas Moore, B.A. Missouri University 1903, M.A. Missouri University 1904	<i>Carrollton, Mo.</i> Mem. Hall French

- | | |
|---|--|
| Sydney Luard Moore, B.A.
Princeton University 1904 | <i>New Haven, Conn.</i> 22 Whalley av.
Botany |
| Howard Douglas Newton, B.S.
Mass. Agricultural College 1904 | <i>Stockbridge, Mass.</i> 42 Lake pl.
Mineralogy |
| George Elwood Nichols, B.A.
Yale University 1904 | <i>New Haven, Conn.</i> 565 P.
Botany |
| Herbert James Ord, PH.B.
Yale University 1904 | <i>Yonkers, N. Y.</i> 126 Wall st.
Civil Engineering |
| Clarence Curtiss Perry, PH.B.
Yale University 1904 | <i>New Britain, Conn.</i> 686 W. D.
Physics |
| Albert Halsey Pierson, B.A.
Princeton University 1899 | <i>East Orange, N. J.</i> 42 Lake pl.
Botany |
| Frank Wesley Pitman, PH.B.
Yale University 1904 | <i>New Haven, Conn.</i> 119 Gilbert av.
History |
| Walter Kern Rainsford, B.A.
Harvard University 1903 | <i>New York City</i> 182 Mansfield st.
Botany |
| Arthur Davis Read, B.A.
College of Emporia 1903 | <i>Emporia, Kans.</i> 22 Whalley av.
Botany |
| Arthur Bernhard Recknagel, B.A.
Yale University 1904 | <i>Brooklyn, N. Y.</i> 94 Division st.
Botany |
| Harry Izard Bacon Rice, B.A.
Yale University 1904 | <i>Coles Ferry, Va.</i> 139 Dwight st.
Mathematics |
| Rowland George Dwight Richardson, B.A.
Acadia College 1898,
B.A. Yale University 1903 | <i>Lawrencetown, N. S.</i> 120 York st.
Mathematics |
| Clifton James Sarle, B.S.
University of Rochester 1902,
M.S. University of Rochester 1903 | <i>Rochester, N. Y.</i> 379 Crown st.
Paleontology |
| Carl Frederick Francis Schulz, B.A.
Yale University 1901 | <i>Corona, N. Y.</i> 387 Temple st.
German |
| Genzaburo Seshimo
Waseda University 1902 | <i>Gummaken, Japan</i> 6 Trumbull st.
Economics |
| Dudley Frank Sicher, B.A.
Yale University 1904 | <i>New York City</i> 23 Lynwood pl.
Biology and Chemistry |
| Clara Eliza Smith
Mt. Holyoke Seminary 1885, B.A. 1902,
PH.D. Yale University 1904 | <i>Northford, Conn.</i> 42 Park st.
Mathematics |
| Oscar Emil Staaf, B.A.
Bethany College, Pa. 1900,
M.A. Yale University 1902 | <i>New Haven, Conn.</i> 88 Prospect st.
French |

Frederick Clark Stanley, B.A. Williams College 1893	Bridgeport, Conn, Geology and Chemistry	Bridgeport
Joannes Gabriel Statiropoulos, B.A. Anatolia College 1899, M.S. Yale University 1904	Talas, Asia Minor Chemistry	153 Franklin st.
Warren Merrill Steele, B.A. Acadia University 1900, B.A. Yale University 1903	Amherst, N. S. Biology	281 Crown st.
Robert Young Stuart, B.A. Dickinson College 1903	Carlisle, Pa. Botany	22 Whalley av.
Wyatt Warner Taylor, PH.B. Yale University 1900	Stamford, Conn. Mechanical Engineering	A.
Lucy Elizabeth Textor, PH.B. University of Michigan 1894, M.A. Leland Stanford Jr. Univ. 1895, PH.D. Yale University 1904	Chicago, Ill. History	144 Greene st.
Axel Ebenezer Vestling, B.A. Bethany College 1900, B.A. Yale University 1903	Ludington, Mich. German	130 Wall st.
Arthur Gustavus Ward, B.A. Yale University 1900, M.A. Yale University 1904	Evans Mills, N. Y. French	122 Wall st.
Freeman Ward, B.A. Yale University 1903	Yankton, S. D. Botany and Geology	569 P.
Ernest Charles Webster, PH.B. Yale University 1904	Litchfield, Conn. Civil Engineering	132 Wall st.
Luther Cornelius Weeks, B.S. Bethany College 1900, PH.B. Yale University 1903	Lindsborg, Kans. Mathematics	310 York st.
John Philip Wentling, B.A. Franklin and Marshall College 1902	Knox, Pa. Botany	42 Lake pl.
Walter Coffin Wilson, B.S. Earlham College 1904	Spiceland, Ind. Mathematics and Engineering	393 Elm st.
GRADUATE STUDENTS, 95		

[Students marked "A" are candidates for the degree of Master of Science, Mechanical Engineer or Civil Engineer, who, having had one year of resident graduate study, are now pursuing courses of study in absence under the direction of the Faculty.]

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Russell Trowbridge Bailey	<i>Brooklyn, N. Y.</i>	17 Hillhouse av.
George Hull Baldwin	<i>Savannah, Ga.</i>	133 College st.
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Morgan Herbert Bowman, Jr.	<i>Uniontown, Pa.</i>	133 College st.
George Mather Brown	<i>Kirkwood, Mo.</i>	17 Hillhouse av.
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Louis LeBourgeois Chapin	<i>Lenox, Mass.</i>	120 College st.
Worthington Frothingham Chapman	<i>New York City</i>	239 Edwards st.
John Michael Clancey	<i>New Haven, Conn.</i>	258 Chapel st.
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Detos Marquis Coen	<i>Rensselaer, Ind.</i>	333 York st.
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Joseph Warren Cone	<i>Norfolk, Conn.</i>	686 W. D.
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Darrah Corbet	<i>Brookville, Pa.</i>	120 College st.
Howard Corlies	<i>Brooklyn, N. Y.</i>	133 College st.
Kerr Murray Cressler	<i>Fort Wayne, Ind.</i>	17 Hillhouse av.
Edward Cornelius Crowley	<i>New Haven, Conn.</i>	63 Liberty st.
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James Bond Curtiss	<i>Buffalo, N. Y.</i>	108 v-s.

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 Henry Fay Grant
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 Douglas Gray Harvey
 Raymond Havemeyer
 George Augustus Haven
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 Frederick Warren Kay
 Thomas Edward Keating
 Charles Brearley Kennedy
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 Lauren Allen Kennedy
 James Perin Kineon
 Ralph Parsons Kinney
 Frank Walter Klett
 Louis Frederick Knollmeyer
 Alexander Robert Lawton, 3d

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Pittsburg, Pa. 131 Grove st.
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Elyria, O. 120 College st.
DuBois, Pa. 27 College st.
St. Louis, Mo. 131 Grove st.
New Haven, Conn. 105 Wooster st.
New Haven, Conn. 14 Baldwin st.
Baltimore, Md. 333 York st.
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Franklin, Pa. 82 Wall st.
St. Paul, Minn. 131 Grove st.
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Dalton, Mass. 131 Grove st.
Patchogue, N. Y. 141 v-s.
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Hartford, Conn. 1210 Chapel st.
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So. Norwalk, Conn. 130 Wall st.
Bethany, Conn. 120 Dwight st.
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Pittsburg, Pa. 118 College st.
Springfield, Mass. 269 L. H.
Trenton, N. J. 137 College st.
Pittsburg, Pa. 1 B. M. H.
Superior, Wisc. 82 Wall st.
Cincinnati, O. 96 Wall st.
Cleveland, O. 131 Grove st.
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New Haven, Conn. 37 Sylvan av.
Savannah, Ga. 133 College st.

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Dilworth Richardson Lupton	<i>Pittsburg, Pa.</i>	17 Hillhouse av.
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Bernard Gilpin Marshall	<i>Duluth, Minn.</i>	146 v-s.
Shelton Edward Martin	<i>New Rochelle, N. Y.</i>	133 College st.
Hatsuji Mayesawa	<i>Tokyo, Japan</i>	2 B. M. H.
John Frederick Maynard, Jr.	<i>Utica, N. Y.</i>	131 Grove st.
Harold Burr Meade	<i>New Haven, Conn.</i>	65 Grove st.
George Christian Meyer	<i>New York City</i>	111 Grove st.
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William Bradley Mixter	<i>Rock Island, Ill.</i>	132 Wall st.
John Gephart Munson	<i>Bellefonte, Pa.</i>	133 Wall st.
Samuel Williamson Nevin	<i>Easton, Pa.</i>	125 High st.
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Sewall Kemble Oliver	<i>Baltimore, Md.</i>	119 v-s.
John Elsworth Owsley	<i>Chicago, Ill.</i>	131 Grove st.
Corydon Palmer	<i>New York City</i>	108 v-s.
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Ernest Cephas Platt	<i>Kansas City, Mo.</i>	110 v-s.
Samuel James Plimpton	<i>Hartford, Conn.</i>	333 York st.
Henry Magraw Rathvon	<i>Denver, Colo.</i>	96 Wall st.
Edmund Richardson	<i>New Orleans, La.</i>	139 v-s.
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Harold Milton Roberts	<i>Montclair, N. J.</i>	82 Wall st.
Max Roesler	<i>Great Neck, N. Y.</i>	133 Wall st.
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Joseph Martin Schaeffer	<i>Seymour, Conn.</i>	105 Park st.
Douglas Satterlee Schenck	<i>Jersey City, N. J.</i>	111 Grove st.
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Harold Neeves Scott	<i>Chicago, Ill.</i>	17 Hillhouse av.
Joseph Alden Sears	<i>Kenilworth, Ill.</i>	148 v-s.
John Setchell	<i>New Haven, Conn.</i>	218 English st.

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 Irving Tritch Snyder
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 Frederic Locke Stone
 Harold Augustus Swenarton
 George Gifford Symes
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 Florida State College 1903

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SENIORS, 160

JUNIOR CLASS

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William Seward Allen	Washington, D. C.	82 Wall st.
Alvin Gillette Andrew	Naugatuck, Conn.	128 High st.
Ashley Merwin Andrew	Orange, Conn.	Orange
Floyde Whipple Andrews	New Haven, Conn.	84 Dwight st.
Harold Fourdrinier Andrews	Albany, N. Y.	109 v-s.
Lewis Elmer Armstrong	New Haven, Conn.	104 v-s.
William Atkins, Jr.	Pottsville, Pa.	96 Wall st.
Samuel Walter Avis	New Haven, Conn.	54 Division st.
Harrison Eugene Bailey	Derby, Conn.	Derby
Harold D. Baker	Detroit, Mich.	111 Grove st.
Clarence Harrison Baldwin	Milford, Conn.	Milford
William Newell Bannard, Jr.	Wilmington, Del.	133 College st.
Ralph Arthur Barrett	Cleveland, O.	105 v-s.
Ernest Bateman	Peace Dale, R. I.	104 v-s.
Fred G. Becker	Chicago, Ill.	125 High st.
Herman Charles Beckmann	New York City	114 High st.
Ira Daniel Bedell	Brooklyn, N. Y.	128 High st.
George Loomis Beecher	New Haven, Conn.	315 Edgewood av.
Harold Kline Beecher	Pottsville, Pa.	82 Wall st.
Karl Howell Behr	Morristown, N. J.	1 Hillhouse av.
Arthur Timothy Bell	Toledo, O.	101 v-s.
Howard Robinson Bennett	Hampton, Conn.	104 Wall st.
George Phelps Berkey	Grand Rapids, Mich.	126 v-s.
William Tyler Berry	Nashville, Tenn.	137 College st.
Julian Lee Bibb	New Decatur, Ala.	88 Wall st.
Harry Lee Bimm	Dayton, O.	1 Hillhouse av.
Charles Alexander Blatchley	New Haven, Conn.	219 Blatchley av.
George Anthony Booth, Jr.	West Haven, Conn.	29 Wall st.
James Graham Bower	Mauritius	1 Hillhouse av.
Normand Daggett Brainard	Branford, Conn.	Branford
Charles Andrew Brautlecht	New Haven, Conn.	130 Front st.
Hayden William Brown	Waterbury, Conn.	133 College st.
James Creighton Brown	Salt Lake City, Utah	140 v-s.
Raymond Ashbell Brown	New Haven, Conn.	39 Sea st.
James Lawrence Blair Buck	New York City	113 v-s.
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Louis Burr	Westport, Conn.	152 v-s.
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Yale University 1901		
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Walter Chapin Chalker	<i>New Haven, Conn.</i>	451 Greenwich av.
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John Montgomery Cooper	<i>Pittsburg, Pa.</i>	659 w. d.
John Block Cornell	<i>New York City</i>	1 Hillhouse av.
John Joseph Costello	<i>New Haven, Conn.</i>	7 Summer st.
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Marlette Crouse	<i>Syracuse, N. Y.</i>	133 v-s.
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Herbert William Eales, B.A.	<i>Bridgeport, Conn.</i>	72 s. m.
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Bruce Ellison	<i>New York City</i>	82 Wall st.
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Ellsworth Ford	<i>Rye, N. Y.</i>	130 v-s.
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Fielding Vaughan Jackson	<i>Chicago, Ill.</i>	133 College st.
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Clifford Joseph Monahan	<i>New Haven, Conn.</i>	114 High st.
Daniel H. Moon, Jr.	<i>Duluth, Minn.</i>	111 Grove st.
Edward Wynne Moore	<i>Germantown, Pa.</i>	111 Grove st.
Louis M. deVallombrosa deMores	<i>Paris, France</i>	1 Hillhouse av.
David McKee Morris	<i>Pittsburg, Pa.</i>	111 Grove st.
Richard Cary Morse, Jr.	<i>Norwich Town, Conn.</i>	B. M. H.

Clarence Lathrop Moseley	<i>Thompsonville, Conn.</i>	104 v-s.
Moses David Nathanson	<i>New Haven, Conn.</i>	142 Lafayette st.
Charles Raymond Joseph Neeson	<i>New Haven, Conn.</i>	13 Lake pl.
Herbert Stuart Nelson	<i>New Haven, Conn.</i>	70 Houston st.
Milton Sewell Nettleton	<i>New Haven, Conn.</i>	46 College st.
Irving Dudley Niles	<i>New Haven, Conn.</i>	117 Wall st.
Willis C. Noble, Jr.	<i>Montclair, N. J.</i>	11 Audubon st.
George Eliot Norris	<i>Columbia, S. C.</i>	142 v-s.
Andrew Carl Ortmyer	<i>Chicago, Ill.</i>	96 Wall st.
William Vandervoort Osborne	<i>Milwaukee, Wisc.</i>	88 Wall st.
Arthur Rupert Paine	<i>Danielson, Conn.</i>	152 v-s.
Erik Schjöth Palmer	<i>New Haven, Conn.</i>	149 East Rock Road
Reid Langhorn Palmer	<i>Bridgeport, Conn.</i>	Bridgeport
Harry Elmer Parker	<i>New Haven, Conn.</i>	652 Dixwell av.
Herbert George Parker	<i>New Haven, Conn.</i>	311 George st.
Ronald Lawson Paterson	<i>Omaha, Nebr.</i>	140 v-s.
Edwin Daniel Peck, B.A.	<i>Gloversville, N. Y.</i>	280 L.
Yale University 1904		
Ralph St. Lawrence Peverley	<i>New York City</i>	82 Wall st.
Mason Elliott Phelps	<i>Chicago, Ill.</i>	1 Hillhouse av.
Walter Devereaux Pinkus	<i>New York City</i>	114 v-s.
William Woods Plankinton	<i>Milwaukee, Wisc.</i>	115 v-s.
William A. Pond	<i>Washington, Conn.</i>	128 Howe st.
Marshall Prentiss	<i>Rutherford, N. J.</i>	133 College st.
Fred Augustus Preston	<i>Chicago, Ill.</i>	17 Hillhouse av.
Howard Burwell Purinton	<i>New Hartford, Conn.</i>	333 York st.
James Wendell Queenan	<i>Derby, Conn.</i>	Derby
Irving Randall	<i>Chicago, Ill.</i>	82 Wall st.
Joseph Cornelius Rathborne	<i>Harvey, La.</i>	131 Grove st.
Henry Hurd Rennell	<i>Bridgeport, Conn.</i>	124 v-s.
Heaton Ridgeway Robertson, B.A.	<i>New Haven, Conn.</i>	44 Elm st.
Yale University 1904		
Lewis Kinney Robinson	<i>Cleveland, O.</i>	1 Hillhouse av.
Thomas Rodd, Jr.	<i>Pittsburg, Pa.</i>	17 Hillhouse av.
Rector Roderick	<i>Brooklyn, N. Y.</i>	120 College st.
Henry Gordon Rowe	<i>New Haven, Conn.</i>	490 Orange st.
Thomas Hubbard Russell, Jr.	<i>New Haven, Conn.</i>	113 v-s.
Aretas Andrews Saunders	<i>New Haven, Conn.</i>	125 Maple st.
Alva Frederic Saunders	<i>New Haven, Conn.</i>	705 Quinpiac av.
Charles Clark Saunders	<i>New Haven, Conn.</i>	705 Quinpiac av.
Beltram Willfred Saunty	<i>Stillwater, Minn.</i>	82 Wall st.
Charalambos G. Savidis, B.A.	<i>Samsoun, Turkey in Asia</i>	53 Prospect st.
Anatolia College 1900		
Henry Abe Schatzkin	<i>New Haven, Conn.</i>	74 Arch st.
Henry Foster Scoville	<i>New Canaan, Conn.</i>	132 F.

William Julius Secor	Derby, Conn.	128 Wall st.
Roger Alfred Selby	Portsmouth, O.	278 L.
Thomas Edward Selby	Ansonia, Conn.	21 Arch st.
Harold Coe Selden	Chester, Conn.	82 Whalley av.
Herbert Lee Seward	New Haven, Conn.	64 Clinton av.
Carroll Shaffer	Evanston, Ill.	115 v-s.
Frederick Raymond Shanley	New Haven, Conn.	114 High st.
Lucius Tracy Sheffield	New York City	1 Hillhouse av.
Paul Stanley Sheldon	New York City	137 College st.
Waldo Sheldon	Greenwich, Conn.	1 Hillhouse av.
Clarence E. Shepard	Hamden, Conn.	Hamden
Samuel McMillan Shepard	St. Paul, Minn.	1 Hillhouse av.
Theodore Frederic Silkman	Yonkers, N. Y.	111 Grove st.
Lawrence Abraham Simmons, B.A.	Jenifer, Ala.	7 Library st.
Talladega College 1903		
Horace Blessing Smith	Altoona, Pa.	59 Prospect st.
Reginald Franklin Smith	Bridgeport, Conn.	Box 802 Yale Sta.
Francis Laird Snowden, Jr.	Pittsburg, Pa.	125 High st.
Carl Frank Speh	New Haven, Conn.	63 Crown st.
Radcliff Evans Sprott	Bridgeport, Conn.	137 College st.
Frederic Norman Miner Squires	West Haven, Conn.	West Haven
James Wood Stanford	Savin Rock, Conn.	337 Orange st.
Henry Winchester Starkweather	Ansonia, Conn.	114 High st.
Herbert James Steane	Hartford, Conn.	132 Wall st.
John Frederic Steinman	Lancaster, Pa.	122 v-s.
Joseph Clayton Stephenson	De Ridder, La.	111 Grove st.
Walter Phelps Stevens	Scranton, Pa.	133 College st.
Walter Frederick Storey	New Haven, Conn.	172 Lloyd st.
Harold Clarke Strong	Winsted, Conn.	113 v-s.
Charles Frederick Taylor	Windsor, Conn.	82 Whalley av.
Fred Hodgdon Thompson	Bath, Me.	124 Wall st.
Harry Belmonte Thorn	Yonkers, N. Y.	99 Davenport av.
William Miller Thorne, Jr.	Summerville, S. C.	677 w. d.
Roswell Chester Tripp	Chicago, Ill.	96 Wall st.
Katsuzo Tsuruta	Tokyo, Japan	55 Prospect st.
Henry Smith Turrill	New Milford, Conn.	293 York st.
William Leroy Ulrich	Hartford, Conn.	82 Whalley av.
Clifford Andrew Upson	Southington, Conn.	53 Prospect st.
Howard Andrew Vidal	Ansonia, Conn.	124 Wall st.
Hiram Holcomb Walker	Detroit, Mich.	103 v-s.
Douglas Vaille Wallace	Springfield, Mass.	137 College st.
Henry Ray Watson	Brookline, Mass.	333 York st.
Arthur Cornwall Wells	Amityville, N. Y.	82 Wall st.
Alton Ensign Wells	New Haven, Conn.	117 Olive st.

Sylvester Benjamin Werzburg	<i>New Haven, Conn.</i>	194 Cedar st.
George Westinghouse, Jr.	<i>Lenox, Mass.</i>	144 v-s.
Henry Arnold Wheelock	<i>Putnam, Conn.</i>	128 High st.
George Ritch White	<i>Danbury, Conn.</i>	330 Crown st.
Louis Ray White	<i>N. Bennington, Vt.</i>	131 v-s.
Edwin Blake Whiting	<i>New Haven, Conn.</i>	245 Blake st.
Lucian Thames Wilcox	<i>Cedar Rapids, Iowa</i>	152 v-s.
Hubert Coffing Williams	<i>Lakeville, Conn.</i>	111 Grove st.
Thomas William Willis	<i>Ansonia, Conn.</i>	Ansonia
Ernest Russell Willson	<i>Meriden, Conn.</i>	126 Wall st.
Louis Armstrong Wilson	<i>Lakeville, Conn.</i>	117 Wall st.
Wilbur Witt	<i>Cincinnati, O.</i>	119 Wall st.
Ernest Wittenau	<i>Cheyenne, Wyo.</i>	122 Wall st.
William Nicoll Woodbury	<i>Middlesboro, Ky.</i>	137 v-s.
Fred Frisbie Woolley	<i>Hartford, Conn.</i>	137 College st.
Frank Walden Wright, Jr.	<i>New Haven, Conn.</i>	48 Pearl st.
George Yavroumis, B.A.	<i>Vytina, Greece</i>	103 Park st.
French American College 1903		
Elias Zaragoza, B.A.	<i>Manila, P. I.</i>	117 Wall st.
Ateneo, Manila 1898		

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FRESHMAN CLASS

Luther Norton Abbe	<i>New Britain, Conn.</i> 409 Temple st.
Henry Alphonse Alker	<i>New York City</i> 110 Wall st.
Roger Ellsworth Alling	<i>New Haven, Conn.</i> 411 Temple st.
Leon Hudson Andrews	<i>Hartford, Conn.</i> 397 Temple st.
Clifford Myron Baker	<i>Plattsburgh, N. Y.</i> 110 Wall st.
John Alexander Baker	<i>Wallingford, Pa.</i> 110 Wall st.
Leonard Woods Baker	<i>New Haven, Conn.</i> 70 Trumbull st.
Harry Garwood Baldwin	<i>New Haven, Conn.</i> 299 Whalley av.
Oran Baldwin	<i>Ramseys, N. J.</i> 391 Temple st.
Charles Thurston Ballard, Jr.	<i>Louisville, Ky.</i> 419 Temple st.
Duke Nicholson Banks	<i>Evanston, Ill.</i> 379 Temple st.
Robert Daniels Bardwell	<i>Pittsfield, Mass.</i> 90 Wall st.
Denise Barkalow	<i>Omaha, Nebr.</i> 86 Wall st.
Marshall Moore Bartholomew	<i>New York City</i> 395 Temple st.
Richard Thompson Baum	<i>Omaha, Nebr.</i> 86 Wall st.
Frank Lemuel Baxter	<i>Newton, Mass.</i> 421 Temple st.
Stanley Drew Beard	<i>Shelton, Conn.</i> 59 Grove st.
Junius St. John Benedict	<i>New Haven, Conn.</i> 25 Maple st.
William Rose Benét	<i>Rock Island, Ill.</i> 6 B. M. H.
David Frederick Benjamin	<i>New Haven, Conn.</i> 14 Lyon st.
Frank Osmond Bennett	<i>New York City</i> 150 Grove st.
Mark John Bennett	<i>Denver, Colo.</i> 11 B. M. H.
Charles Van Denbergh Benton	<i>Yonkers, N. Y.</i> 105 V-S.
Louis Berman	<i>New Haven, Conn.</i> 63 York st.
Charles Eddy Betcher	<i>Red Wing, Minn.</i> 427 Temple st.
Carl Welch Bettcher	<i>New Haven, Conn.</i> 421 Temple st.
David Edward Bigwood	<i>Boston, Mass.</i> 364 WH.
Charles Kingsbury Billings, Jr.	<i>New Haven, Conn.</i> 67 Trumbull st.
Walter Babcock Binnian	<i>Brookline, Mass.</i> 150 Grove st.
Harold Law Blakeslee	<i>New Haven, Conn.</i> 421 Temple st.
Lawrence Hubbert Blinn	<i>New Haven, Conn.</i> 184 Blatchley av.
William Jarvis Boardman, Jr.	<i>Cleveland, O.</i> 389 Temple st.
Frederick Boone Bostwick	<i>New Haven, Conn.</i> 220 Lawrence st.
Henry Seymour Bothwell	<i>Denver, Colo.</i> 104 Wall st.
Francis Hervey Bradley	<i>New Haven, Conn.</i> 64 Nash st.
Edward Ainslie Brewer	<i>Cortland, N. Y.</i> 395 Temple st.
Robert Lee Brewer	<i>Cortland, N. Y.</i> 395 Temple st.
Edmund Douglas Brigham, Jr.	<i>Glencoe, Ill.</i> 102 V-S.
Harry Farnsworth Brown	<i>New Haven, Conn.</i> 38 Avon st.
Jesse Evans Brownback	<i>Linfield, Pa.</i> 387 Temple st.
Aldis Jerome Browne	<i>Washington, D. C.</i> 389 Temple st.

Edward Browning	<i>Devon, Pa.</i>	82 Wall st.
Fredrick Herbert Brundage	<i>New Haven, Conn.</i>	295 Humphrey st.
Ralph William Burnet	<i>Evanston, Ill.</i>	395 Temple st.
Harry Walter Burr	<i>New Britain, Conn.</i>	405 Temple st.
Arthur Killam Burwell	<i>New Haven, Conn.</i>	117 Wooster st.
Charles Eben Canada	<i>New Haven, Conn.</i>	239 Fitch st.
Hiram Bissell Carey	<i>Hartford, Conn.</i>	393 Temple st.
Charles Whitney Carpenter, Jr.	<i>New York City</i>	1 Hillhouse av.
James Richardson Carpenter	<i>Brooklyn, N. Y.</i>	47 Lake pl.
Earle Buell Carter	<i>Waterbury, Conn.</i>	126 High st.
Valentine Burt Chamberlain	<i>New Britain, Conn.</i>	439 Temple st.
Charles Van Wycke Chamberlin	<i>Unionville, Conn.</i>	114 High st.
Charles Hall Chapin	<i>Rochester, N. Y.</i>	407 Temple st.
Wolcott Pitkin Chapman	<i>Bridgeport, Conn.</i>	659 W. D.
Russell Estes Chatfield	<i>New Haven, Conn.</i>	1620 Chapel st.
John Pierce Cheney	<i>Manlius, N. Y.</i>	427 Temple st.
John Oren Christian	<i>Scranton, Pa.</i>	299 York st.
John Stetson Clapp	<i>Newtonville, Mass.</i>	379 Temple st.
Ernest Dwight Clark	<i>Cornwall, Conn.</i>	193 Bassett st.
Elias Treat Clark	<i>Woodbridge, Conn.</i>	Woodbridge
Robert Eli Clark	<i>New Haven, Conn.</i>	125 DeWitt st.
Eugene Ellsworth Clements	<i>New Haven, Conn., Yale, cor. Maltby avs.</i>	
Frederic John Clifford	<i>Chicago, Ill.</i>	395 Temple st.
Clarence Morgan Coddington	<i>New York City</i>	134 V-S.
Raymond Savage Coe	<i>Cromwell, Conn.</i>	393 Temple st.
William Thomas Coholan	<i>New Britain, Conn.</i>	New Britain
Samuel Bolton Colburn	<i>Denver, Colo.</i>	405 Temple st.
Robert Coleman	<i>Saranac Lake, N. Y.</i>	133 College st.
John Archibald Campbell Colston	<i>Baltimore, Md.</i>	152 Grove st.
Julian Flichtner Colyer	<i>Newark, N. J.</i>	9 B. M. H.
Johns Hopkins Congdon, Jr.	<i>Providence, R. I.</i>	391 Temple st.
Arthur Newton Couch	<i>N. Woodbury, Conn.</i>	124 Shelton av.
Frank John Cox	<i>West Haven, Conn.</i>	400 Temple st.
George Hyland Crofton	<i>New London, Conn.</i>	135 College st.
John Frank Cuneo	<i>Chicago, Ill.</i>	110 Wall st.
Clifford Scofield Dangler	<i>Cleveland, O.</i>	389 Temple st.
John Hamilton Derby, Jr.	<i>Sandy Hill, N. Y.</i>	110 Wall st.
James E. Diamond	<i>New Haven, Conn.</i>	173 Whalley av.
Lewis Acker Dibble	<i>New Haven, Conn.</i>	656 Orange st.
Burgess Dickinson	<i>Buffalo, N. Y.</i>	132 Wall st.
Joseph Dilworth	<i>Pittsburg, Pa.</i>	427 Temple st.
Raymond Jones Doty	<i>New Haven, Conn.</i>	89 E. Pearl st.
Edward Nathaniel Douglass	<i>New London, Conn.</i>	311 York st.
Augustus Cornwall Downing, Jr.	<i>New York City</i>	110 Wall st.

Wilbur Dunham	Columbus, O.	411 Temple st.
Clarence Engelbert Ebert	Wallingford, Conn.	Wallingford
Milo Murdock Ebert	Kansas City, Mo.	405 Temple st.
Henry Gibbs Ellis	Torrington, Conn.	421 Temple st.
Leslie Boyd Farmer	S. Orange, N. J.	393 Temple st.
Walter Joseph Feder	Cincinnati, O.	391 Temple st.
Quentin Field Feitner	New York City	110 Wall st.
Jack Joseph Finucane	Rochester, N. Y.	135 College st.
John Holmes Fitten	Atlanta, Ga.	110 Wall st.
Stanley Griswold Flagg, 3d	Philadelphia, Pa.	379 Temple st.
Rufus Flynt	Springfield, Mass.	405 Temple st.
Benjamin Rossiter Foote	Guilford, Conn.	Guilford
Samuel Elbert Ford	Milford, Conn.	Milford
William Edward Foster, 2d	New Haven, Conn.	109 College st.
Edward Griffin Beckwith Fox	Washington, D. C.	110 Wall st.
Lawrence Fox	Salt Lake City, Utah	125 High st.
Bernard Barney Frankel	New Haven, Conn.	44 Oak st.
William Dixon Fullerton	Andover, Mass.	333 York st.
Frederick Riley Gagel	Dayton, O.	395 Temple st.
James Gamble	Williamsport, Pa.	133 College st.
Russell Tyner Gard	Frankfort, Ind.	53 Prospect st.
Karl Knox Gartner	Nashville, Tenn.	400 Temple st.
Walter Geib	Stamford, Conn.	82 Wall st.
John Gilbert George	Watertown, N. Y.	133 College st.
William Carey Gibson	New Haven, Conn.	18 Trumbull st.
Earle Fenton Gilbert	Jamestown, N. Y.	395 Temple st.
Philip Alden Glazier	S. Glastonbury, Conn.	391 Temple st.
Harold Moffett Gould	Bridgeport, Conn.	Bridgeport
Carl Emil Green	Washington Depot, Conn.	128 Wall st.
Franklin Thomas Griswold	New Britain, Conn.	409 Temple st.
Fairfax Hall	Binghamton, N. Y.	13 B. M. H.
Lamont Andrew Hall	Waterbury, Conn.	128 High st.
Ray Edgar Hallock	New Haven, Conn.	125 High st.
Harris Hammond	Lakewood, N. J.	1 Hillhouse av.
Clarence Piper Hanly	Kansas City, Mo.	405 Temple st.
Francis Howe Hardy	Evanston, Ill.	387 Temple st.
William Bibb-Hartshorne	Freehold, N. J.	397 Temple st.
Samuel Clarke Harvey	Woodbury, Conn.	124 Shelton av.
Henry Peter Hass	Newport, R. I.	619 E. D.
Rolland Miles Hastings	Chicago, Ill.	110 Wall st.
Philip Moulton Hatheway	Brookline, Mass.	391 Temple st.
Philip Ferguson Hawley	Chicago, Ill.	405 Temple st.
Sidney Warner Hays	Scranton, Pa.	299 York st.
Milton Alfred Hellman	St. Louis, Mo.	389 Temple st.

Elton Brigham Hill	<i>Hartford, Conn.</i> · 82 Whalley av.
Thomas Curtis Hillhouse	<i>New Haven, Conn.</i> Box 818 Yale Sta.
Thomas Hilton	<i>Darien, Ga.</i> 427 Temple st.
Harold Lucius Hoadley	<i>New Haven, Conn.</i> 119 Exchange st.
Clarence William Hockenberger	<i>Union Hill, N. Y.</i> 419 Temple st.
Allen Hoffer	<i>Pottstown, Pa.</i> 413 Temple st.
Edgar Dwight Hollenbeck	<i>New Haven, Conn.</i> 19 Howard av.
William Warfield Holloway	<i>Wheeling, W. Va.</i> 425 Temple st.
Roger Woodbury Hooper	<i>London, England</i> 110 Wall st.
Joseph Foster Hoss	<i>Johnson City, Tenn.</i> Mem. Hall
Willis Wylie Howe	<i>Chicago, Ill.</i> 391 Temple st.
Yuen-li Hsia	<i>Shanghai, China</i> 14 Whalley av.
Nanyang College, Shanghai	
Jay Harvey Hubbell	<i>Saginaw, Mich.</i> 397 Temple st.
Clayton Harwood Huckans	<i>Gloversville, N. Y.</i> 58 Ashmun st.
Edward McKinney Hunt	<i>Montclair, N. J.</i> 132 Wall st.
Henry Leigh Hunt	<i>Paris, France</i> 12 B. M. H.
Louis Phillips Ihne	<i>New Haven, Conn.</i> 66 Crown st.
Stanley Bailey Ineson	<i>Ansonia, Conn.</i> 114 High st.
Charles Richard Irvin	<i>Pittsburg, Pa.</i> 276 Orange st.
Gerald Breck Jackson	<i>Paterson, N. J.</i> 405 Temple st.
Jacob Louis Jacobs	<i>New Haven, Conn.</i> 128 Lafayette st.
John Joseph Jennings	<i>Bristol, Conn.</i> 409 Temple st.
Emory Lyon Johnson	<i>Spuyten Duyvil, N. Y.</i> 387 Temple st.
Frederic James Johnson	<i>Norfolk, Conn.</i> 117 Wall st.
Douglas Turner Johnston	<i>Cooperstown, N. Y.</i> 379 Temple st.
Carleton Benjamin Jones	<i>Collinsville, Conn.</i> 65 York sq.
Charles Bruce Jones	<i>Detroit, Mich.</i> 133 College st.
William Strother Jones, Jr.	<i>Red Bank, N. J.</i> 425 Temple st.
Walter Edward Joyce	<i>New Haven, Conn.</i> 241 Washington av.
John I. Kane	<i>Ossining, N. Y.</i> 5 B. M. H.
Leo Thomas Kelley	<i>Chicago, Ill.</i> 397 Temple st.
Oliver Stuart Kelly	<i>Yellow Springs, O.</i> 4 B. M. H.
Wilhelm Parry Kennard	<i>Boston, Mass.</i> 107 V-S.
Robert James Kennedy	<i>New Haven, Conn.</i> 92 Mansfield st.
Elmore Coe Kerr	<i>New York City</i> 110 Wall st.
Gilmore Kinney, Jr.	<i>Hoboken, N. J.</i> 407 Temple st.
Theodore Engelmann Kircher	<i>Belleville, Ill.</i> 333 York st.
Clarence Moore Knox	<i>Hartford, Conn.</i> 717 W. D.
Frank Robert Langdale, Jr.	<i>New Haven, Conn.</i> 28 Edgewood av.
Robert Bidwell Lattin	<i>Shelton, Conn.</i> 159 York st.
Charles Johnes Lawson	<i>New York City</i> 110 Wall st.
Harold Taylor Leavenworth	<i>New Haven, Conn.</i> 830 Elm st.
Roger Isham Lee	<i>Minneapolis, Minn.</i> 135 Wall st.

Veader Newton Leonard	<i>New Haven, Conn.</i>	119 Wall st.
Oskar Liebig	<i>Brooklyn, N. Y.</i>	113 Wall st.
John Darragh Liggett	<i>Sewickley, Pa.</i>	1 Hillhouse av.
Zay Faung Lin	<i>Hongkong, China</i>	652 E. D.
St. John's College 1904, Shanghai		
Howard Linn	<i>Chicago, Ill.</i>	387 Temple st.
Charles Edwin Lockhart	<i>Greenwich, Conn.</i>	128 v-s.
Morton Joseph Loeb	<i>New Haven, Conn.</i>	129 St. John st.
Edwin Grabill Long	<i>Lancaster, Pa.</i>	393 Temple st.
Leslie Hayes Lord	<i>Newark, N. J.</i>	379 Temple st.
Walter Charles Love	<i>Honolulu, H. I.</i>	407 Temple st.
Richard Leonard Lovell	<i>Plainfield, N. J.</i>	122 Wall st.
John Stokes McCune	<i>Columbus, O.</i>	413 Temple st.
Leonard Francis McEnerney, B.A.	<i>Derby, Conn.</i>	Derby
Mt. St. Mary's College 1904		
Kenneth Gerard Mackenzie	<i>Westport, Conn.</i>	115 Dwight st.
William Francis McKone	<i>Hartford, Conn.</i>	55 Prospect st.
Forman Taylor McLean	<i>Eatontown, N. J.</i>	293 York st.
Chester Huntington McVay	<i>Sewickley, Pa.</i>	119 Grove st.
Lawrence Riley McWeeney	<i>New Haven, Conn.</i>	34 Beach st.
John William Madden	<i>Deposit, N. Y.</i>	82 s. m.
Adolphus Busch Magnus	<i>Chicago, Ill.</i>	397 Temple st.
Henry Swan Manning, Jr.	<i>New York City</i>	379 Temple st.
Bryant Goit Marble	<i>New Haven, Conn.</i>	1589 Chapel st.
Leslie Wildman Marsh	<i>New Milford, Conn.</i>	55 Prospect st.
Ralph Julian Marsh	<i>New Haven, Conn.</i>	93 Fountain st.
James Waller Marshall	<i>New York City</i>	83 Sachem st.
Trowbridge Marston	<i>Brooklyn, N. Y.</i>	106 v-s.
Norman Andrews Martin	<i>New Castle, Pa.</i>	419 Temple st.
Harold Bulkley Mathewson	<i>Milford, Conn.</i>	Milford
Nelson Bush Mayo	<i>New York City</i>	126 High st.
Robert Douglas Meacham	<i>Cincinnati, O.</i>	400 Temple st.
Charles Wesley Meloney	<i>Richmond, Va.</i>	8 B. M. H.
Theodore Frelinghuysen Mercer	<i>Mystic, Conn.</i>	379 Temple st.
Alfred Charles Meyer	<i>Brooklyn, N. Y.</i>	126 Wall st.
Hugh Irving Millerd	<i>Auburn, N. Y.</i>	148 F.
Ellsworth Frost Miner	<i>Unionville, Conn.</i>	114 High st.
Thomas Minford, Jr.	<i>Plainfield, N. J.</i>	113 Wall st.
Robert Royster Moore	<i>Kansas City, Mo.</i>	405 Temple st.
John Upshur Moorhead	<i>Washington, D. C.</i>	110 Wall st.
Paul Seiberling Mosser	<i>Roxbury, Mass.</i>	400 Temple st.
Wilfred Eaton Murchie	<i>South Orange, N. J.</i>	409 Temple st.
Sidney Charles Murray	<i>Davenport, Iowa</i>	113 Wall st.
Foster Stebbins Naething	<i>New York City</i>	409 Temple st.

Herbert Lewis Nichols	<i>North Haven, Conn.</i>	North Haven
Jesse Brooks Nichols	<i>Tarrytown, N. Y.</i>	393 Temple st.
Chester H. Norton	<i>Louisville, Ky.</i>	419 Temple st.
John King O'Connor	<i>Oswego, N. Y.</i>	379 Temple st.
Frank John O'Donnell	<i>Lakewood, O.</i>	153 v-s.
Daniel Leet Oliver	<i>Allegheny, Pa.</i>	
John Gilman Ordway	<i>St. Paul, Minn.</i>	421 Temple st.
Roswell Park, Jr.	<i>Buffalo, N. Y.</i>	387 Temple st.
James Parker, 3d	<i>Harrisburg, Pa.</i>	391 Temple st.
Roy Taylor Parker	<i>Meriden, Conn.</i>	299 York st.
Herbert Arthur Parsons	<i>Sandy Hook, Conn.</i>	419 Temple st.
Lewis A. Parsons	<i>New York City</i>	128 High st.
Earl Partridge	<i>Minneapolis, Minn.</i>	395 Temple st.
Stephen Peabody, Jr.	<i>New York City</i>	118 College st.
John Sherman Peck	<i>Cleveland, O.</i>	421 Temple st.
Heman J. Pettengill, Jr.	<i>Melrose, Mass.</i>	411 Temple st.
Lawrence Clinton Phipps	<i>Denver, Colo.</i>	110 Wall st.
Louis Robert Porteous	<i>Norwich, Conn.</i>	152 Grove st.
Charles Talbot Porter, 2d	<i>Montclair, N. J.</i>	407 Temple st.
Lawrence Copeland Porter	<i>Kensington, Conn.</i>	56 Whalley av.
Waldo Todd Pratt	<i>Waterbury, Conn.</i>	128 High st.
Hugh Kirkman Prichitt	<i>Nashville, Tenn.</i>	133 College st.
George Wenner Quentin	<i>New Haven, Conn.</i>	Whitneyville
Frank Taylor Quinlan	<i>Meriden, Conn.</i>	722 Elm st.
James Palmer Ramsey	<i>St. Louis, Mo.</i>	379 Temple st.
John Patterson Ramsey	<i>St. Louis, Mo.</i>	379 Temple st.
James McHenry Rauers	<i>Savannah, Ga.</i>	101 v-s.
Karl Vernon Raymond	<i>Rowayton, Conn.</i>	Rowayton
Joseph Edward Reilly, B.A.	<i>Shelton, Conn.</i>	Shelton
Mt. St. Mary's College 1904		
James MacGregor Renfrew	<i>Allingtown, Conn.</i>	Allingtown
Eugene Beaumont Reynolds	<i>Wilkes-Barre, Pa.</i>	387 Temple st.
Carroll Ridgway	<i>Chicago, Ill.</i>	407 Temple st.
Joseph Riter	<i>Pittsburg, Pa.</i>	395 Temple st.
Wilson Bowen Robinson	<i>Mt. Washington, Md.</i>	425 Temple st.
Stanley Pickett Rockwell	<i>Enfield, Conn.</i>	110 Wall st.
William Starling Sullivant Rodgers, Jr.	<i>Columbus, O.</i>	413 Temple st.
Chester Summers Rohne	<i>Hartford, Conn.</i>	59 Grove st.
Joseph Rosenbaum	<i>New Haven, Conn.</i>	31 Spruce st.
Samuel Barnell Rosenbaum	<i>New Haven, Conn.</i>	31 Spruce st.
Frank Alexander Ross	<i>N. Woodbury, Conn.</i>	35 Shelton av.
George Vallandigham Rotan	<i>Waco, Texas</i>	152 Grove st.
Roswell John Roth	<i>Watertown, N. Y.</i>	379 Temple st.
Julian Eastman Rothery	<i>Wellesley, Mass.</i>	126 High st.

William Bradbury Runciman	Buenos Ayres, S. A.	104 Wall st.
Austin Townsend Sackett	New London, Conn.	107 v-s.
Joseph Francis Savage	Bridgeport, Conn.	Bridgeport
Leon Ewart Savage	Northport, Wash.	333 York st.
Howard Sheaffer Schall	New Haven, Conn.	167 Livingston st.
Carl Trueworthy Schuneman	St. Paul, Minn.	391 Temple st.
William Morris Schwenker, Jr.	New York City	379 Temple st.
Sylvester Megargee Scott, Jr.	Cranford, N. J.	102 v-s.
Lawrence Williams Scudder	New York City	110 Wall st.
Alexander Clifford Scully	Chicago, Ill.	391 Temple st.
Leonard Hawxhurst Searing	Auburn, N. Y.	139 F.
William Albert Seery	Bridgeport, Conn.	76 Mansfield st.
Horatio Seymour, Jr.	Utica, N. Y.	7 B. M. H.
Kent Shaffer	Evanston, Ill.	397 Temple st.
Norman Fisk Shailer	Chester, Conn.	55 Trumbull st.
Arthur Carr Sherman	Northboro, Mass.	104 Wall st.
Chester Peter Siems	St. Paul, Minn.	397 Temple st.
Herman Silverman	New Haven, Conn.	128 Washington av.
Oliver Martin Smart	Pittsfield, Mass.	90 Wall st.
George Colmore Smith, Jr.	Kansas City, Mo.	407 Temple st.
George Franklin Smith, Jr.	Milford, Conn.	Milford
Gerard Smith	Dayton, O.	107 v-s.
Philip Seabury Smith	New Haven, Conn.	411 Temple st.
Reynold Webb Smith	Nyack, N. Y.	409 Temple st.
David Benton Snow	Branford, Conn.	45 Lake pl.
Gustavus Nor Dhal Snow	New Haven, Conn.	152 Grove st.
Harold Fowler Sperry	New Haven, Conn.	86 Dwight st.
William Wetmore Stanley	Great Barrington, Mass.	393 Temple st.
Horace William Staples	Westport, Conn.	110 Wall st.
Edward Walter Steele	Ansonia, Conn.	Ansonia
Harlin Melville Steely, Jr.	Danville, Ill.	59 Grove st.
Glenn Stewart	Pittsburg, Pa.	413 Temple st.
John Stilwell	Yonkers, N. Y.	389 Temple st.
Norman Luman Stone	New Haven, Conn.	169 Livingston st.
Ralph Holmes Stone	Holidaysburg, Pa.	409 Temple st.
Charles Buchanan Stuart	Cleveland, O.	150 Grove st.
George Amory Thomas	Louisville, Ky.	405 Temple st.
Arthur VanRensselaer Thompson	New York City	395 Temple st.
Graham Fellowes Thompson	New Haven, Conn.	114 Whitney av.
Cleveland May Thorne	Yonkers, N. Y.	419 Temple st.
Carl Perkins Tomlinson	Danbury, Conn.	98 York sq.
James Billings Trumbull	New London, Conn.	135 College st.
Harry Jackson Turner	New York City	115 Greene st.
Morris English Tuttle	New Haven, Conn.	1466 Chapel st.

Audubon Tyler	<i>New Haven, Conn.</i>	33 College st.
Dan R. Vail	<i>Decatur, Ind.</i>	333 York st.
Thornton Edwin Vail	<i>Enfield, Conn.</i>	310 York st.
George Warren Van Brunt	<i>Council Bluffs, Iowa</i>	110 Wall st.
John Martin Van Harlingen	<i>Philadelphia, Pa.</i>	120 College st.
Herbert Francis Vanorden	<i>São Paulo, Brazil</i>	124 Wall st.
Paul Lansing Veeder	<i>Chicago, Ill.</i>	150 Grove st.
Boynton Stephen Voorhees	<i>New Haven, Conn.</i>	23 Barnett st.
Philip Stanley Wainwright	<i>Hartford, Conn.</i>	393 Temple st.
Ralph Bickerton Wainwright	<i>New Britain, Conn.</i>	419 Temple st.
Frederick Hemingway Waldron, Jr.	<i>New Haven, Conn.</i>	105 Howe st.
Walter Treat Walker	<i>Hinsdale, Ill.</i>	110 Wall st.
Robert Wallace	<i>Wallingford, Conn.</i>	427 Temple st.
Evans Ward	<i>Portchester, N. Y.</i>	14 B. M. H.
William Wayne, Jr.	<i>Paoli, Pa.</i>	395 Temple st.
Harold Edward Webster	<i>Buffalo, N. Y.</i>	411 Temple st.
Alden Wells	<i>Hartford, Conn.</i>	130 Wall st.
Frank Everts Werneken	<i>Detroit, Mich.</i>	113 Wall st.
Jacob Wershow	<i>New Haven, Conn.</i>	127 Congress av.
John Robert Whiting	<i>New Haven, Conn.</i>	37 Lake pl.
Frank Whitney	<i>Morristown, N. J.</i>	425 Temple st.
Lee Charles Wilson	<i>New Haven, Conn.</i>	141 York st.
Paul W. Wilson	<i>Cleveland, O.</i>	393 Temple st.
Frederick Hampden Winston	<i>Chicago, Ill.</i>	397 Temple st.
Henry H. Wittstein	<i>Bridgeport, Conn.</i>	73 S. M.
Henry Clay Yale	<i>Alder Creek, N. Y.</i>	387 Temple st.
Herman Frederic Zimowski	<i>New Haven, Conn.</i>	135 Ashmun st.

SPECIAL STUDENTS

Aubrey Douglass Barnes	<i>New Haven, Conn.</i> 1058 Townsend av.
Samuel John Berard	<i>New Haven, Conn.</i> 133 Bradley st.
Galen Snow Cleland	<i>Calais, Me.</i> 64 Lake pl.
Leonard Crabtree	<i>Bridgeport, Conn.</i> Box 802 Yale Sta.
George Mansfield Darlow	<i>Indianapolis, Ind.</i> 110 Wall st.
Scott Harrison Eaton	<i>North Bend, O.</i> Observatory pl.
Walter Owen Filley	<i>New Haven, Conn.</i> 144 Whalley av.
Elliott Carroll Flagg	<i>New Haven, Conn.</i> 259 Lombard st.
George Lincoln King	<i>Wabash, Ind.</i> 117 Wall st.
Edward Emanuel Lindeman	<i>New York City</i> 102 York sq.
John Milton Miller	<i>Bridgeport, Conn.</i> 72 s. M.
Everett Hanson White	<i>Bridgeport, Conn.</i> Bridgeport
Leslie Leroy White	<i>Oskaloosa, Iowa</i> 114 High st.
George Adelbert Wilmot	<i>Cape Town, So. Africa</i> 25 Whalley av.
Aaron Wittstein	<i>Bridgeport, Conn.</i> 73 s. M.

SPECIAL STUDENTS, 15

STUDENTS FROM OTHER DEPARTMENTS

George Morris Adams	<i>New Haven, Conn.</i> 236 Crown st.
Henry Thomas Allen	<i>Lyon, Miss.</i> 49 v.
Raymond Mills Anderson	<i>Newton Center, Mass.</i> 367 WH.
Thomas Bertram Anderson	<i>Delhi, N. Y.</i> 355 WH.
William Thompson Bacon	<i>Derby, Conn.</i> 295 w.
Ernest Schwefel Ballard	<i>Philadelphia, Pa.</i> 250 Crown st.
William Deluce Barnes, Jr.	<i>Mansfield, Mass.</i> 22 College st.
Chisholm Beach	<i>New York City</i> 43 College st.
John Eldridge Bentley	<i>McMinnville, Tenn.</i> 462 FW.
Arthur Douglas Bissell, Jr.	<i>Buffalo, N. Y.</i> 416 B.
Kenneth McLeod Bissell	<i>New York City</i> 268 L.
Philip Waldron Boardman	<i>New York City</i> 22 College st.
Arthur Howe Bradford	<i>Montclair, N. J.</i> 55 v.
George Philip Braun, Jr.	<i>Chicago, Ill.</i> 22 Crown st.
Carl Brewer	<i>New Haven, Conn.</i> 20 v.
William Thompson Briggs	<i>Nashville, Tenn.</i> 49 v.
Chester Kingsley Brooks	<i>Cleveland, O.</i> 343 WH.
Richard Lennox Brown	<i>Brooklyn, N. Y.</i> 254 Crown st.
Donald Bruce	<i>Easthampton, Mass.</i> 467 FW.
Ludlow Seguire Bull	<i>New York City</i> 22 College st.
Paul Morgan Butterfield	<i>Wilmington, Vt.</i> 159 Elm st.
Carl Herman Carroll	<i>Rochester, N. Y.</i> 337 WH.

Perley Bickford Chandler, B.A. Coe College 1904	<i>Marengo, Iowa</i>	113 Whitney av.
Clarence Edward Chaney	<i>Chicago, Ill.</i>	266 L.
Edward Barton Chapin	<i>Andover, Mass.</i>	291 W.
Arthur Howard Clark	<i>Leonard Bridge, Conn.</i>	231 F.
George Hamilton Colket, Jr.	<i>Philadelphia, Pa.</i>	42 College st.
Theodore Strong Cooley	<i>Auburndale, Mass.</i>	250 L.
Irving Nicholas Countryman	<i>New Haven, Conn.</i>	384 Greenwich av.
Willis Arthur Countryman, Jr.	<i>Hartford, Conn.</i>	13 May st.
Bainbridge Cowell	<i>Cleveland, O.</i>	36 v.
Joseph Graham Crane	<i>Dayton, O.</i>	22 College st.
Herbert Hallock Cutler	<i>Bridgeport, Conn.</i>	163 F.
William Theodore Darby	<i>Paterson, N. J.</i>	466 FW.
Dragan Zaharia Daskaloff	<i>Kavadartsy, Macedonia</i>	98 Howe st.
Pierpont VanDerveer Davis	<i>Elizabeth, N. J.</i>	6 v.
Franklin Augustus Dean, Jr.	<i>Allegheny, Pa.</i>	22 College st.
Clinton Demas Deming	<i>Hartford, Conn.</i>	239 D.
Frederick Ferriss Dodd	<i>New Milford, Conn.</i>	355 WH.
Philip Lyndon Dodge	<i>Morristown, N. J.</i>	22 College st.
Liguori Alphonsus Doherty	<i>Murray, Idaho</i>	314 W.
Blatchford Downing	<i>Kansas City, Mo.</i>	22 College st.
Frank Collins Downing	<i>Kansas City, Mo.</i>	440 FW.
J. Andrews Drushel	<i>Lebanon, O.</i>	59 Dixwell av.
Ralph Henry Dunning	<i>Auburn, N. Y.</i>	139 F.
Francis Bolton Elwell	<i>Norwich, Conn.</i>	367 WH.
Edwin Rogers Embree	<i>Berea, Ky.</i>	342 WH.
Charles Rhein Essick	<i>Reading, Pa.</i>	152 F.
James Edwin Ewers	<i>Fredericktown, O.</i>	258 L.
Horace Farwell Ferry	<i>Lake Forest, Ill.</i>	429 FW.
Charles Milton Fessenden	<i>Stamford, Conn.</i>	254 Crown st.
Allen Evarts Foster	<i>New Haven, Conn.</i>	375 WH.
Henry Albert Foster	<i>Maxwell, Tenn.</i>	438 Elm st.
Leonard Martin Frey	<i>Rome, N. Y.</i>	158 F.
Lowell Chester Frost	<i>Buffalo, N. Y.</i>	332 WH.
George Napoleon Gaboury	<i>Chicopee Falls, Mass.</i>	919 Howard av.
William Luther Gaylord	<i>Pasadena, Cal.</i>	164 F.
George Brette Gleanzer	<i>New York City</i>	22 College st.
Philip Lippincott Goodwin	<i>New York City</i>	254 Crown st.
Lemuel Whittington Gorham	<i>Albany, N. Y.</i>	432 FW.
William Francis Gunn, Jr.	<i>Hartford, Conn.</i>	227 D.
Wesley Herbert Haggett	<i>Hiawatha, Kans.</i>	A.
Isaac Staples Hall	<i>Medford, Mass.</i>	445 FW.
Marcus Brown Hall	<i>Grand Rapids, Mich.</i>	9 v.

Harold Eberhart Hammond	<i>Chicago, Ill.</i>	350 WH.
George Cushman Hannahs	<i>Newark, N. J.</i>	325 W.
Edwin Deeks Harvey	<i>Rock Ferry, England</i>	147 F.
Harold Hauenstein	<i>Buffalo, N. Y.</i>	249 Crown st.
Frank Anderson Hayes	<i>Buffalo, N. Y.</i>	368 WH.
Charles Bingham Heisler	<i>Albany, N. Y.</i>	281 L.
Charles Frederick Hewitt	<i>Meriden, Conn.</i>	339 WH.
Arthur White Hildreth	<i>Southampton, N. Y.</i>	146 F.
Bayard Cushing Hoppin	<i>New York City</i>	22 College st.
Willard Deere Hosford	<i>Moline, Ill.</i>	341 WH.
Albert Wallace Hunt	<i>Torrington, Conn.</i>	358 WH.
William George Hunt	<i>Florence, Mass.</i>	315 Crown st.
George William Stanley Ish, B.A.	<i>Little Rock, Ark.</i>	666 W. D.
Talladega College 1903		
Harold Burton Jamison	<i>Gloversville, N. Y.</i>	166 F.
Henry Gildersleeve Jarvis	<i>Portland, Conn.</i>	415 B.
Guysbert Vroom Jordan	<i>Clinton, Mass.</i>	139 F.
Richard Michael Joy	<i>Waterbury, Conn.</i>	223 D.
Charles Sheldon Judd	<i>Honolulu, H. I.</i>	23 V.
Frederick Trowbridge Kelsey	<i>Orange, N. J.</i>	1076 Chapel st.
Charles Porter Kimball	<i>New York City</i>	237 D.
Hugh Smith Knox	<i>Washington, D. C.</i>	22 College st.
Charles Augustus LaMont	<i>Albion, N. Y.</i>	355 WH.
Rae Thornton LaVake	<i>New York City</i>	21 V.
John Harold Lawrence	<i>Charleston, S. C.</i>	251 Crown st.
Robinson Leech	<i>Brooklyn, N. Y.</i>	432 FW.
George Burwell Leggett	<i>New York City</i>	378 W.
Edmund Harris Lewis	<i>Syracuse, N. Y.</i>	22 College st.
Leighton Lobdell	<i>Buffalo, N. Y.</i>	42 College st.
Henry Stow Lovejoy	<i>Janesville, Wisc.</i>	247 L.
Donald McBride	<i>Cleveland, O.</i>	434 FW.
Chauncey Brooks McCormick	<i>Chicago, Ill.</i>	22 College st.
Albert Steele McCullough	<i>Watertown, N. Y.</i>	57 V.
Donald Ashbrook McGee	<i>Plainfield, N. J.</i>	369 WH.
Constantine Joseph MacGuire, Jr.	<i>New York City</i>	220 D.
Sumner Thomas McKnight, Jr.	<i>Minneapolis, Minn.</i>	22 College st.
Stanley Robinson MacLane	<i>New Haven, Conn.</i>	33 Howe st.
Dwight Sterling Mallett	<i>Bridgeport, Conn.</i>	135 F.
Robert Davies Marshall	<i>Painesville, O.</i>	247 L.
James Raglan Miller	<i>Westfield, Mass.</i>	252 L.
John Teobaldo Monzani	<i>Waterbury, Conn.</i>	421 B.
Angus Washburn Morrison	<i>Minneapolis, Minn.</i>	236 D.
Russell Perry Morrison	<i>Brooklyn, N. Y.</i>	400 B.
Samuel Finley Brown Morse	<i>Newtonville, Mass.</i>	22 College st.

Thornton Taft Munger	<i>New Haven, Conn.</i>	465 FW.
Chester Trenholm Neal	<i>Springfield, Mass.</i>	54 v.
John Strong Newberry	<i>Cleveland, O.</i>	343 WH.
William Disney Nichols	<i>Fayetteville, N. Y.</i>	135 Temple st.
Harry Levin Roeschlaub Nickerson	<i>Quincy, Ill.</i>	420 B.
Charles Reinold Noyes	<i>St. Paul, Minn.</i>	6 v.
Daniel Raymond Noyes	<i>St. Paul, Minn.</i>	31 v.
John Francis O'Brien	<i>Meriden, Conn.</i>	Meriden
Charles Oliver	<i>Allegheny, Pa.</i>	22 College st.
Raymond William Osborne	<i>Berea, Ky.</i>	259 L.
Walter Hobart Palmer	<i>Branford, Conn.</i>	Branford
Fred Amasa Parker	<i>Auburn, N. Y.</i>	138 F.
Maurice Henry Pease	<i>New Britain, Conn.</i>	20 v.
Clifford Harris Peek	<i>East Aurora, N. Y.</i>	354 WH.
Francis Thurston Pendleton	<i>New London, Conn.</i>	166 Oak pl.
Karlton Goodsell Percy	<i>Brookline, Mass.</i>	240 D.
Hervey Bates Perrin	<i>Indianapolis, Ind.</i>	326 W.
Lawrence Alson Pomeroy	<i>Cleveland, O.</i>	36 v.
Edward Leander Pratt	<i>Lewiston, Me.</i>	291 W.
Karl Preston	<i>Wilmington, Del.</i>	27 College st.
Edward Jerome Quinlan	<i>Meriden, Conn.</i>	Meriden
Henry Gould Ralston	<i>Lake Forest, Ill.</i>	447 FW.
Henry Augustine Raymond	<i>Cleveland, O.</i>	32 v.
Stanley Forman Reed	<i>Mayville, Ky.</i>	120 High st.
Howard MacMillan Richard, B.A.	<i>New Haven, Conn.</i>	621 Howard av.
Wesleyan University 1904		
Caleb Shreve Ridgway, Jr.	<i>Columbus, N. J.</i>	349 WH.
Morgan Thomas Riley	<i>New York City</i>	452 FW.
Francis Clapp Robertson	<i>New York City</i>	436 FW.
Robert Landon Rogers	<i>Providence, R. I.</i>	297 W.
Harold Bartlett Scott	<i>Syracuse, N. Y.</i>	22 College st.
Walter Hawley Scott	<i>Syracuse, N. Y.</i>	22 College st.
Everitt Anthony Sherwood	<i>Ottawa, Ill.</i>	324 W.
Chauncey Milton Sincerbeaux	<i>Moravia, N. Y.</i>	54 v.
Malcolm Douglas Sloane	<i>New York City</i>	254 Crown st.
George Washington Small	<i>New Haven, Conn.</i>	236 Crown st.
Charles Paget Smith	<i>Lebanon, Conn.</i>	87 S. M.
George Mark Sneath	<i>Franklin, Mass.</i>	268 L.
Carl Warrington Somers	<i>Auburn, N. Y.</i>	356 WH.
Harold Soosmith	<i>Green's Farms, Conn.</i>	65 v.
Guy Thomas Stetson	<i>Nordhoff, Cal.</i>	436 FW.
Albert Franklin Stone	<i>Bay City, Mich.</i>	1076 Chapel st.
Cyril Sumner	<i>Rochester, N. Y.</i>	22 College st.
Henry Hawley Swords	<i>Morristown, N. J.</i>	289 W.

Fred Branford Syphax	<i>Washington, D. C.</i>	419 B.
Arthur Hutchinson Terry, Jr.	<i>Patchogue, N. Y.</i>	378 WH.
Frederick Herrick Thomas	<i>Morristown, N. J.</i>	22 College st.
Leonard Enos Todd	<i>Woodbridge, Conn.</i>	279 L.
Ernest Bell Tracy	<i>St. Louis, Mo.</i>	22 College st.
William Finney Tyler	<i>Seattle, Wash.</i>	266 L.
Benjamin VanCampen	<i>Olean, N. Y.</i>	462 FW.
John Adolf Vietor	<i>New York City</i>	22 College st.
Herbert Hamilton Wagenhals	<i>Fort Wayne, Ind.</i>	208 D.
Hiram Lee Ward	<i>Unadilla, N. Y.</i>	256 L.
Edmund Leon Warren	<i>Grafton, Mass.</i>	370 WH.
James Watson Webb	<i>New York City</i>	22 College st.
Robert Campbell Wheeler	<i>Chicago, Ill.</i>	314 W.
Philip Trumbull White	<i>Brooklyn, Conn.</i>	433 FW.
Lewis Bliss Whittemore	<i>Hartford, Conn.</i>	239 D.
Arthur Clarence Williamson	<i>Westfield, Mass.</i>	259 L.
Russell Seipt Wolfe	<i>Philadelphia, Pa.</i>	320 W.
Alexander James Wood	<i>Branford, Conn.</i>	Branford
Thomas Goddard Wright, Jr.	<i>Phelps, N. Y.</i>	154 F.

STUDENTS FROM OTHER DEPARTMENTS, 169

SUMMARY

GRADUATES	.	.	.	.	.	95
SENIORS	.	.	.	.	.	160
JUNIORS	.	.	.	.	.	273
FRESHMEN	.	.	.	.	.	328
SPECIAL STUDENTS	.	.	.	.	.	15
TOTAL						871
STUDENTS FROM OTHER DEPARTMENTS						169
TOTAL UNDER INSTRUCTION						1040

YALE SCHOOL OF THE FINE ARTS

REGULAR STUDENTS

Esther Sophia Beers	<i>Bridgeport, Conn.</i>	Bridgeport
Mary Elizabeth Bennett	<i>New Haven, Conn.</i>	357 Elm st.
Mary Florence Berry, B.A. Mt. Holyoke College 1901	<i>Portland, Me.</i>	70 Howe st.
Frederick Cleveland Bock	<i>Meriden, Conn.</i>	158 F.
Katrina Sloat Bowers	<i>Bridgeport, Conn.</i>	209 Crown st.
Laura J. Bradley	<i>New Haven, Conn.</i>	179 Main st.
Alice LaBord Brereton	<i>New Haven, Conn.</i>	8 Baldwin pl.
Lilias Lorene Burton	<i>New Haven, Conn.</i>	101 Park st.
Mary Cable Butler	<i>Bridgeport, Conn.</i>	Bridgeport
Angelo P. F. Cioffi	<i>New Haven, Conn.</i>	113 Franklin st.
Louise Mary Cooke	<i>New Haven, Conn.</i>	188 Clinton av.
Robert Cairns Dobson	<i>Peace Dale, R. I.</i>	9 v.
Loring Holmes Dodd, B.A. Dartmouth College 1900, M.A. Columbia Univ. 1901	<i>New Haven, Conn.</i>	82 Admiral st.
Clarence Beaumont Gilbert	<i>Wallingford, Conn.</i>	Wallingford
Viola Louise Griffin	<i>New Haven, Conn.</i>	38 Clark st.
Burton Albert Hotchkiss	<i>Shelton, Conn.</i>	371 Crown st.
William Albert Humphries	<i>Delhi, N. Y.</i>	670 W. D.
Annie S. Johnson	<i>New Haven, Conn.</i>	374 Grand av.
Morton Frederick Judd	<i>Wallingford, Conn.</i>	Wallingford
George Robert Kelsey	<i>West Haven, Conn.</i>	West Haven
Edward Brewster Kemble	<i>New Rochelle, N. Y.</i>	110 Wall st.
John Nathan Levine	<i>Waterville, Me.</i>	919 Howard av.
Albert Lohman	<i>Meriden, Conn.</i>	Meriden
*Huc Mazelet Luquiens, B.A. Yale University 1902	<i>New Haven, Conn.</i>	A.
Joseph John McKeon	<i>New Haven, Conn.</i>	53 Liberty st.
Frederick Amos Osborn Mayer	<i>Waterville, N. Y.</i>	333 York st.
Grace Louise Mossman	<i>New Haven, Conn.</i>	475 Orange st.
Valeria Pelton	<i>Middletown, Conn.</i>	Middletown
Eugenie Keziah Phillips	<i>Bridgeport, Conn.</i>	Bridgeport
Madeleine Ferguson Proper	<i>Humphreysville, N. Y.</i>	27 College st.
Winifred Smyth	<i>New Haven, Conn.</i>	328 Temple st.
Sophie Tryon Starr	<i>East Hampton, Conn.</i>	344 Elm st.

*Holder of the William Wirt Winchester Fellowship.

James Taddeo	<i>New Haven, Conn.</i>	329 Cedar st.
Alice Veader	<i>New Haven, Conn.</i>	284 Orange st.
Minnie Mansfield Walker	<i>New Haven, Conn.</i>	162 York st.
John Downes Whiting	<i>New Haven, Conn.</i>	345 Whitney av.
George Irving Wilhelmy	<i>Milford, Conn.</i>	Milford
Rosalie Stone Willson	<i>Meriden, Conn.</i>	Meriden
Lootfy Daniel Yacobian	<i>New Haven, Conn.</i>	92 Webster st.

REGULAR STUDENTS, 39

STUDENTS FROM OTHER DEPARTMENTS

Richard Steere Aldrich	<i>Providence, R. I.</i>	293 W.
Raymond Mills Anderson	<i>Newton Center, Mass.</i>	367 WH.
Harry Beal	<i>Oneida, N. Y.</i>	298 W.
Albert Leffingwell Brown	<i>Bloomfield, Conn.</i>	218 D.
Frederick Kingsbury Bull	<i>New York City</i>	457 FW.
Charles Jarvis Chapman, Jr.	<i>Portland, Me.</i>	441 FW.
Albert Merrill Coit	<i>Grand Rapids, Mich.</i>	9 V.
Henry Fowler Damon	<i>Honolulu, H. T.</i>	318 W.
David Edward Dangler	<i>Cleveland, O.</i>	35 V.
Edmund Montgomery Davidson	<i>Huntington, N. Y.</i>	62 V.
Alfred Ethridge	<i>Rome, N. Y.</i>	368 WH.
Mason Anthony Freeman	<i>Bradford, Pa.</i>	415 B.
John Nesmith Greely	<i>Washington, D. C.</i>	316 W.
Frank Anderson Hayes	<i>Buffalo, N. Y.</i>	368 WH.
Douglas Meade Hoeffcker	<i>Wilmington, Del.</i>	50 V.
Stanleigh Winslow Macgurn	<i>Milwaukee, Wisc.</i>	256 L.
Allen Schuyler Malcolm	<i>Melbourne, Australia</i>	388 B.
William Elder Marcus, Jr.	<i>Montclair, N. J.</i>	434 FW.
Francis Hartman Markoe, Jr.	<i>New York City</i>	1151 Chapel st.
Aaron Riley Merritt	<i>East Aurora, N. Y.</i>	354 WH.
David Lyman Oleson	<i>Warren, Mass.</i>	395 B.
Edward Charles Perry	<i>Honolulu, H. T.</i>	2 V.
William Henry Peters	<i>Syracuse, N. Y.</i>	297 W.
Henry Gould Ralston	<i>Lake Forest, Ill.</i>	447 FW.
Miles Bradley Riggs	<i>Palmyra, N. Y.</i>	405 B.
Platt Rogers, Jr.	<i>Denver, Colo.</i>	345 WH.
Philip Johnston Scudder	<i>New York City</i>	349 WH.
Edward Power Sharretts	<i>Baltimore, Md.</i>	47 V.
Harrison Tweed Sheldon	<i>New Haven, Conn.</i>	45 V.
John Sloane, Jr.	<i>New York City</i>	31 V.
Carl Warrington Somers	<i>Auburn, N. Y.</i>	356 WH.
Crosby Buck Spinney	<i>Brooklyn, N. Y.</i>	459 FW.
William Lord Squire	<i>Meriden, Conn.</i>	342 WH.

Howard Taft	<i>Cincinnati, O.</i>	51 v.
Jere Raymond Wickwire	<i>Cortland, N. Y.</i>	398 B.
Roger Henry Wolcott	<i>Laredo, Tex.</i>	333 York st.
Charles Wright, Jr.	<i>Detroit, Mich.</i>	42 v.

		37
Sheffield Scientific School Freshman Class		328

STUDENTS FROM OTHER DEPARTMENTS, 365

SPECIAL STUDENTS IN EVENING CLASS

Robert J. Goff	<i>New Haven, Conn.</i>	106 Wolcott st.
Alfred Hepworth	<i>New Haven, Conn.</i>	188 Wooster st.
Clifford LeGrand Hollis	<i>Westville, Conn.</i>	100 Fountain st.
G. V. Kibbe	<i>New Haven, Conn.</i>	610 Elm st.
Arthur Lynham	<i>New Haven, Conn.</i>	736 State st.
S. R. Munson	<i>New Haven, Conn.</i>	31 Norton st.
Samuel Solomon Raphael	<i>New Haven, Conn.</i>	121 Lafayette st.
Edward Frank Rehberg	<i>New Haven, Conn.</i>	179 Rosette st.
W. G. Shortley	<i>New Haven, Conn.</i>	
Ella Katharine Tracy	<i>New Haven, Conn.</i>	92 Webster st.
Howard B. Wilson	<i>New Haven, Conn.</i>	40 Whalley av.

SPECIAL STUDENTS IN EVENING CLASSES, 11

SUMMARY

REGULAR STUDENTS	39
STUDENTS FROM OTHER DEPARTMENTS	365
SPECIAL STUDENTS IN EVENING CLASSES	11
TOTAL UNDER INSTRUCTION, 415	

DEPARTMENT OF MUSIC

(YALE MUSIC SCHOOL)

REGULAR STUDENTS

Silvia Esther Adams	<i>Bridgeport, Conn.</i>	Bridgeport
F. Genevieve Allen	<i>Terryville, Conn.</i>	Terryville
Elizabeth Eugene Anderson	<i>New Haven, Conn.</i>	156 Fillmore st.
May Andrus	<i>New Haven, Conn.</i>	651 George st.
Leita Tolles Beecher	<i>New Haven, Conn.</i>	359 Edgewood av.
Eleanor Lewis Beers	<i>Bridgeport, Conn.</i>	Bridgeport
Seth Daniels Bingham, Jr., B.A.	<i>Naugatuck, Conn.</i>	685 W. D.
Yale University 1904		
Katharyne Elizabeth Blatchley	<i>New Haven, Conn.</i>	219 Blatchley av.
Frederick Cleveland Bock	<i>Meriden, Conn.</i>	138 F.
Henry Emanuel Bonander	<i>New Haven, Conn.</i>	167 Lombard st.
George Oscar Bowen	<i>Stamford, Conn.</i>	Stamford
Nellie May Boynton	<i>Branford, Conn.</i>	Branford
Marguerite Hull Bradley	<i>New Haven, Conn.</i>	264 Exchange st.
Antoinette Brett	<i>New Haven, Conn.</i>	77 Woolsey st.
Alfred T. Brisebois	<i>Derby, Conn.</i>	Derby
Mary Ellen Brosnan	<i>Wallingford, Conn.</i>	Wallingford
Ellen Almyra Bushnell	<i>Plantville, Conn.</i>	Plantville
Mabel Edna Clark	<i>New Haven, Conn.</i>	223 Whalley av.
Saidee Winifred Cooper	<i>New Haven, Conn.</i>	18 Woolsey st.
Sara Frances Coughlin	<i>Middletown, Conn.</i>	Middletown
Elizabeth Curtis	<i>Nichols, Conn.</i>	Nichols
Edna Church Daily	<i>New Haven, Conn.</i>	858 Quinpiac av.
William Enright Davenport, B.A.	<i>Bridgeport, Conn.</i>	Bridgeport
Yale University 1899		
Daisy Mary Disbrow	<i>South Norwalk, Conn.</i>	South Norwalk
Anne Nichols Drew	<i>Bridgeport, Conn.</i>	Bridgeport
Nellie Estelle Edmondson	<i>New Haven, Conn.</i>	173 Blatchley av.
Edmund Sereno Ender	<i>New Haven, Conn.</i>	52 Arthur st.
Anna Young Fanslow	<i>New Haven, Conn.</i>	54 Salem st.
Edith Cleora Flanders	<i>New Haven, Conn.</i>	Rosette st.
Herbert Foster	<i>New Haven, Conn.</i>	318 Humphrey st.
Charles Root Fowler, B.A.	<i>New Haven, Conn.</i>	851 Chapel st.
Yale University 1899		
Mabel Louise French	<i>Bridgeport, Conn.</i>	Bridgeport

Eva Estelle Frisbie
 Anna Smith Gagel
 Maude Ethel Gordon
 F. B. Granniss
 Gertrude Elizabeth Grave
 Arvin Burnham Hall
 Jennie Margaret Hawley
 Gladys Latham Hildreth
 Winifred Floyd Hinckley
 Lida J. Hine
 Clayton Eugene Hotchkiss
 Theresa Loretta Hussion
 George W. Jewett
 James Edward Keegan
 Eleanor Alexena Kennedy
 Frederick Kinsley, Jr.
 Frances Louise Kirchoff
 Eliza M. Knapp
 Hattie Lambert
 Ruth Syner Lathrop
 Gertrude Elizabeth Lynch
 John Owen Lynch
 Frank Patrick McGovern
 Eveline Corney Macrille
 Egbert Shepard Marsh
 Martha Curtis Miles
 Athelstan Mills
 Constantina Moeller
 Alice Farnham Moulthrop
 Arley May Newell
 Loretto Catherine O'Connell
 Katherine Augusta O'Connor
 Ethel O'Neil
 Lorenzo Pratt Oviatt
 Charlotte Frances Parker
 Mrs. M. Booth Perry
 Bessie Alice Pierce
 Elizabeth Stony Reed
 F. O. Richards
 Louise Bertha Schurig
 Jennie Louisa Smith
 Robert Alfred Laslett Smith
 Mae Louise Stanley
 Wilburt Benjamin Stevens

Bridgeport, Conn. Bridgeport
 West Haven, Conn. West Haven
 New Haven, Conn. 1193 Chapel st.
 Waterbury, Conn. Waterbury
 New Haven, Conn. 323 George st.
 New Haven, Conn. 126 Howe st.
 Bridgeport, Conn. Bridgeport
 New Haven, Conn. 232 Sherman av.
 Stony Creek, Conn. Stony Creek
 New Haven, Conn. 587 State st.
 Hartford, Conn. Hartford
 New Haven, Conn. 229 Poplar st.
 Bridgeport, Conn. Bridgeport
 Waterbury, Conn. Waterbury
 New Haven, Conn. 45 Houston st.
 West Haven, Conn. West Haven
 New Haven, Conn. 75 Maple st.
 New Haven, Conn. 67 Howe st.
 New Haven, Conn. 64 Whalley av.
 New Haven, Conn. 130 Howe st.
 Derby, Conn. Derby
 New Haven, Conn. 168 Mansfield st.
 New Haven, Conn. 109 View st.
 West Haven, Conn. West Haven
 Bridgeport, Conn. Bridgeport
 Milford, Conn. Milford
 Albany, N. Y. 85 Howe st.
 New Haven, Conn. 349 Crown st.
 New Haven, Conn. 620 Orange st.
 Orange, Conn. Orange
 West Haven, Conn. West Haven
 Middletown, Conn. Middletown
 New Haven, Conn. 266 Whalley av.
 Milford, Conn. Milford
 New Haven, Conn. 599 Whitney av.
 New Haven, Conn. 1044 Chapel st.
 South Britain, Conn. South Britain
 New Haven, Conn. 302 Lawrence st.
 West Haven, Conn. 328 First av.
 New Haven, Conn. 24 Bishop st.
 New Haven, Conn. 95 Howard av.
 Waterbury, Conn. Waterbury
 Waterbury, Conn. Waterbury
 New Haven, Conn. 58½ Atwater st.

Herbert Ansley Strout	<i>Pleasantvale, Me.</i>	Wallingford
Mary Gertrude Sullivan	<i>New Haven, Conn.</i>	23 Pearl st.
Floyd Grant Terry	<i>New Haven, Conn.</i>	1304 Chapel st.
Louise Benjamin Terry	<i>New Haven, Conn.</i>	1304 Chapel st.
Francis David Tiernan	<i>New Haven, Conn.</i>	836 Howard av.
Hendrika Troostwyk	<i>New Haven, Conn.</i>	117 Park st.
Carrie Eliza Twiss	<i>New Haven, Conn.</i>	25 Beers st.
Theodore Henry Weber	<i>Meriden, Conn.</i>	Meriden
Jacob Wilensky	<i>New Britain, Conn.</i>	New Britain
Irene Barbour Williams	<i>Hartford, Conn.</i>	Hartford
Ruth Wilson	<i>New Haven, Conn.</i>	50 Houston st.
Leonard Walter Wood	<i>Naugatuck, Conn.</i>	Naugatuck
Charles Hamline Zimmerman	<i>New Haven, Conn.</i>	83 Grove st.
Northwestern Univ. 1891, M.A. 1892, PH.D. Yale Univ. 1897		

REGULAR STUDENTS, 89.

STUDENTS FROM OTHER DEPARTMENTS

Albert Parker Abbe	<i>New Britain, Conn.</i>	572 P.
Thomas Achelis	<i>New York City</i>	242 York st.
Mortimer Clark Addoms	<i>New York City</i>	439 FW.
Raymond Mills Anderson	<i>Newton Center, Mass.</i>	367 WH.
Thomas Bertram Anderson	<i>Delhi, N. Y.</i>	355 WH.
Charles Henry Banks	<i>Amenia, N. Y.</i>	432 FW.
Osmond Jesse Billings	<i>Sharon, Mass.</i>	690 W. D.
Clifford Hershey Bissell	<i>New York City</i>	571 P.
Bradford Boardman	<i>New York City</i>	4 V.
Alvin Chester Breul	<i>Bridgeport, Conn.</i>	285 W.
Albert Raffles Brown	<i>Oberlin, O.</i>	626 E. D.
Roland Baldwin Coe	<i>Newark, N. J.</i>	299 W.
Walter Ruel Cowles	<i>New Haven, Conn.</i>	424 FW.
Nellis Maynard Crouse	<i>Utica, N. Y.</i>	303 W.
Herbert Hallock Cutler	<i>Bridgeport, Conn.</i>	163 F.
Lawrence Darr	<i>Pittsburg, Pa.</i>	441 FW.
William Dwight Dean	<i>Evanston, Ill.</i>	17 V.
George Holmes Edwards	<i>Bridgeport, Conn.</i>	17 V.
Grosvenor Ely	<i>Norwich, Conn.</i>	346 WH.
Henry Robertson Failing	<i>Portland, Ore.</i>	22 College st.
Samuel Field, Jr.	<i>Philadelphia, Pa.</i>	320 W.
Stanleigh Pohly Friedman	<i>Albany, N. Y.</i>	58 V.
William Walker Gibson	<i>Albany, N. Y.</i>	468 FW.
James Lippincott Goodwin	<i>New York City</i>	426 FW.
Melville Brooks Gurley	<i>Washington, D. C.</i>	1076 Chapel st.

Harold Eberhart Hammond	<i>Chicago, Ill.</i>	350 WH.
Caryl Smith Harris	<i>Walton, N. Y.</i>	50 V.
Dwight Ruggles Perry Heaton	<i>Washington, D. C.</i>	371 WH.
Douglas Meade Hoeffcker	<i>Wilmington, Del.</i>	50 V.
Lloyd Burdwin Holsapple	<i>Hudson, N. Y.</i>	15 V.
Robert Woolsey Hume	<i>New Haven, Conn.</i>	254 Crown st.
Isaac Lamson Jennings	<i>Cleveland, O.</i>	278 L.
Frederick Trowbridge Kelsey	<i>Orange, N. J.</i>	1076 Chapel st.
Ellis Knowles	<i>Pensacola, Fla.</i>	231 York sq.
Rae Thornton LaVake	<i>New York City</i>	21 V.
Henry Wells Lawrence, Jr.	<i>White Plains, N. Y.</i>	161 F.
Robinson Leech	<i>Brooklyn, N. Y.</i>	432 FW.
Harry Howard Loudenslager	<i>Paulsboro, N. J.</i>	42 V.
Gerald Frances Loughlin	<i>Boston, Mass.</i>	73 Lake pl.
Frederick Ludwig Hermann von Lubken	<i>New York City</i>	135 College st.
Kingsley Rich MacGuffey	<i>Boston, Mass.</i>	444 FW.
Alexander Scott McLean	<i>Danbury, Conn.</i>	148 V-S.
Allen Schuyler Malcolm	<i>Melbourne, Australia</i>	388 B.
Walter Eugene Marsden	<i>Johnstown, Pa.</i>	392 B.
Alfred Keister Mills, B.A.	<i>Annaville, Pa.</i>	694 W. D.
Lebanon Valley College 1904		
Francis William Moore	<i>Redlands, Cal.</i>	408 B.
Henry Thomas Moore, M.A.	<i>Carrollton, Mo.</i>	Mem. Hall
University of Missouri 1904		
Philip Lefèvre Morrison	<i>Boston, Mass.</i>	226 D.
Robert Wilden Neeser	<i>New York City</i>	313 W.
Albert Chapman Norman	<i>Norwich, Conn.</i>	286 W.
David Lyman Oleson	<i>Warren, Mass.</i>	395 B.
Howard Palmer	<i>Norwich, Conn.</i>	286 W.
Walter Hobart Palmer	<i>Branford, Conn.</i>	Branford
Lewis A. Parsons	<i>New York City</i>	128 High st.
William Frederick Peter, 2d	<i>Seymour, Ind.</i>	68 V.
William Henry Peters	<i>Syracuse, N. Y.</i>	297 W.
Waldo Todd Pratt	<i>Waterbury, Conn.</i>	128 High st.
Russell Godine Pruden	<i>New York City</i>	348 WH.
Morgan Thomas Riley	<i>New York City</i>	452 FW.
Heaton Ridgeway Robertson, B.A.	<i>New Haven, Conn.</i>	44 Elm st.
Yale University 1904		
Avery Milton Schermerhorn	<i>New Haven, Conn.</i>	37 Lynwood pl.
John Lehman Shively	<i>Weston, Conn.</i>	613 E. D.
Harold Sooy Smith	<i>Green's Farms, Conn.</i>	65 V.
George Mark Sneath	<i>Franklin, Mass.</i>	268 L.
George Berger Struby	<i>Denver, Colo.</i>	283 W.

Howard Sturges	<i>Providence, R. I.</i>	238 York st.
Arthur Irving Taft	<i>Worcester, Mass.</i>	387 B.
George Underwood, Jr.	<i>Auburn, N. Y.</i>	344 WH.
Chester Burrows VanTassel	<i>Brooklyn, N. Y.</i>	446 FW.
John Louis Waters	<i>New York City</i>	1076 Chapel st.
Donald Breckenridge Wells	<i>Hartford, Conn.</i>	246 L.
Ralph Wesley Wescott	<i>Haddonfield, N. J.</i>	467 WH.
Jere Raymond Wickwire	<i>Cortland, N. Y.</i>	398 B.
Selah Howell Wright	<i>Sandy Hook, Conn.</i>	259 L.
Clarence Hascy Young	<i>Albany, N. Y.</i>	12 V.

STUDENTS FROM OTHER DEPARTMENTS, 75

SUMMARY

REGULAR STUDENTS . . .	89
STUDENTS FBOM OTHER DEPARTMENTS .	75
	<hr/>
TOTAL UNDER INSTRUCTION .	164

DEPARTMENT OF FORESTRY

(YALE FOREST SCHOOL)

SENIOR CLASS

James Fred Baker, B.S. Michigan Agricultural Coll. 1902	<i>St. Croix Falls, Wisc.</i>	115 Division st.
John Earle Barton, B.A. University of Michigan 1902	<i>Detroit, Mich.</i>	710 W. D.
Anton Theophilus Boisen, B.A. University of Indiana 1897	<i>Bloomington, Ind.</i>	23 Lynwood pl.
Clarence John Buck, B.A. Williams College 1903	<i>Stockbridge, Mass.</i>	713 W. D.
Harry Munro Hale	<i>Elbridge, N. Y.</i>	649 E. D.
Philip Talbot Harris, B.A. Bowdoin College 1903	<i>E. Machias, Me.</i>	25 Whalley av.
John Simcox Holmes	<i>Horse Shoe, N. C.</i>	132 Howe st.
Janero Lagdameo, B.A. Ateneo de Manila 1896	<i>Manila, P. I.</i>	110 Wall st.
Jacob Joshua Levison, B.A. College of the City of New York 1902	<i>New York City</i>	350 George st.
James Patrick McDonough, B.A. Yale University 1903	<i>New Haven, Conn.</i>	38 Hallock st.
William Herbert Mast, B.AGR. Iowa State College 1900	<i>Ottumwa, Iowa</i>	58 Mansfield st.
Clayton Dissinger Mell, B.A. Franklin and Marshall College 1902	<i>Lebanon, Pa.</i>	42 Lake pl.
Walter Jean Morrill, B.S. University of Maine 1899	<i>Madison, Me.</i>	710 W. D.
Harry Camble Neel, B.S. Pennsylvania State College 1903	<i>Dravosburg, Pa.</i>	634 E. D.
John Marbury Nelson, Jr., B.A. Johns Hopkins University 1903	<i>Baltimore, Md.</i>	25 Whalley av.
William Bridge Piper, B.A. Harvard University 1903	<i>Cambridge, Mass.</i>	8 Prospect pl.
Merritt Berry Pratt, B.S. University of Chicago 1903	<i>Paw Paw, Ill.</i>	104 Prospect pl.
Jeremiah Rebmann, B.S. University of Nebraska 1898	<i>Columbia, S. C.</i>	69 Division st.
Arthur Cuming Ringland	<i>Montclair, N. J.</i>	643 E. D.
William Forsythe Sherfesees, B.A. College of Charleston 1903	<i>Charleston, S. C.</i>	70 Whalley av.
Ferdinand Augustus Silcox, B.S. College of Charleston 1903	<i>Charleston, S. C.</i>	70 Whalley av.

Stanton Gould Smith	<i>Berkeley, Md.</i>	53 Lake pl.
Herbert Osburn Stäbler	<i>Spencerville, Md.</i>	53 Lake pl.
Gordon Edwin Tower, B.S.	<i>Belding, Mich.</i>	70 Whalley av.
Michigan Agricultural College 1901		
Lage von Wernstedt, M.E.	<i>Strengnäs, Sweden</i>	142 Sheffield av.
Royal Inst. of Technol., Stockholm 1902		
Trueman Doane Woodbury, PH.B.	<i>E. Orleans, Mass.</i>	42 Lake pl.
Brown University 1903		
Karl Wilson Woodward, B.A.	<i>New York City</i>	70 Whalley av.
Cornell University 1904		
Edmund John Zavitz, B.A.	<i>Ridgeway, Ont.</i>	633 E. D.
McMaster University 1902		
Theodore Christian Zschokke, B.A.	<i>Palo Alto, Cal.</i>	78 Dwight st.
Leland Stanford Jr. University 1903		

SENIOR CLASS, 29

JUNIOR CLASS

William Henry Addison, B.A.	<i>Toronto, Ont.</i>	
University of Toronto 1902		
Fred Elijah Ames, B.A.	<i>Spencer, Mass.</i>	94 Division st.
Harvard University 1903		
Ford Dorrance Bacon B.S.	<i>Harveyville, Pa.</i>	25 Whalley av.
Bucknell University 1904		
John Bentley, Jr., B.S.	<i>Spencer, Mass.</i>	42 Lake pl.
Wesleyan University 1904		
Jacob Foster Bitner, B.A.	<i>Spring Mills, Pa.</i>	42 Lake pl.
Franklin and Marshall College 1904		
Edward Gheen Cheyney, B.A.	<i>Washington, D. C.</i>	182 Mansfield st.
Cornell University 1900		
Galen Snow Cleland	<i>Calais, Me.</i>	64 Lake pl.
Martin Lewis Erickson, B.S.	<i>Flandreau, S. D.</i>	182 Mansfield st.
South Dakota Agricultural College 1901,		
M. AGR. University of Minnesota 1903		
Walter Owen Filley	<i>New Haven, Conn.</i>	144 Whalley av.
Rudo Lorenzo Fromme	<i>Richmond, Ind.</i>	
Dennis Camille Amedée Galarneau, B.A.		
Tufts College 1904		
John Dent Guthrie, PH.B.	<i>Springfield, Mass.</i>	94 Division st.
Union University 1902		
Gay Elijah Hills, B.A.	<i>Charlotte Court House, Va.</i>	649 E. D.
Dartmouth College 1904		
Elmer Reed Hodson, B.S., M.S.	<i>Swanzey, N. H.</i>	25 Whalley av.
Iowa State College 1898		
James Osborne Hopwood, B.S.	<i>Ames, Iowa</i>	64 Lake pl.
University of Pennsylvania 1904		
James Ashworth Howarth, Jr., LL.B.	<i>Philadelphia, Pa.</i>	22 Whalley av.
Yale University Law School 1896		
<i>New Haven, Conn.</i>		
34 Vernon st.		

Thomas Parker Ivy, B.A.	Center Conway, N. H.	
Harvard University 1891		182 Mansfield st.
Frederick William Hudson Jacombe, M.A.	Guelph, Ont.	153 Dwight st.
University of Toronto 1898		
Sydney Luard Moore, B.A.	St. Louis, Mo.	22 Whalley av.
Princeton University 1904		
Andrew Edward Oman, B.S.	Leonardsville, Kans.	238 Prospect st.
Kansas State Agricultural College 1900		
Albert Halsey Pierson, B.A.	E. Orange, N. J.	42 Lake pl.
Princeton University 1899		
Walter Kerr Rainsford, B.A.	New York City	182 Mansfield st.
Harvard University 1903		
Jerome Hinds Ramskill	Washington, D. C.	53 Lake pl.
Arthur Davis Read, B.A.	Emporia, Kans.	22 Whalley av.
College of Emporia 1903		
Arthur Bernhard Recknagel, B.A.	Brooklyn, N. Y.	8 Prospect pl.
Yale University 1904		
Alexander Herbert Douglas Ross, M.A.	Tillsonburg, Ont.	
Queen's College 1889		68 Whalley av.
Charles A. Scott, B.S.	Westmoreland, Kans.	58 Mansfield st.
Kansas State Agricultural College 1901		
Robert Young Stuart, B.A.	Carlisle, Pa.	22 Whalley av.
Dickinson College 1903		
Horace Franklin Studley	Rockland, Mass.	42 Lake pl.
Alpheus Oliver Waha	Erie, Pa.	713 W. D.
William Hoyt Weber, B.A.	Stamford, Conn.	42 Lake pl.
Wesleyan University 1903		
John Philip Wentling, B.A.	Knox, Pa.	42 Lake pl.
Franklin and Marshall College 1902		
Lesley Leroy White	Oskaloosa, Iowa	114 High st.
George Adalbert Wilmot	Cape Colony, So. Africa	25 Whalley av.
University of the Cape of Good Hope 1895,		
Katwijk, Holland 1896		

JUNIOR CLASS, 34

SUMMER SCHOOL STUDENTS

Edwin Hugh Bidwell	Vineland, N. J.
Otto Brandt, Jr.	Newark, N. J.
William Burbridge	Baltimore, Md.
Philip Stanley Cole	North Carver, Mass.
Harrison Josiah Conant	Worcester, Mass.
Quincey Rugg Craft	Washington, D. C.
Raymond Richardson Goodlatte	Passaic, N. J.
William Danforth Hayes	Bellows Falls, Vt.
Charles Sheldon Judd	Honolulu, H. T.

Richard Leonard Lovell	<i>Plainfield, N. J.</i>
Donald McBride	<i>Cleveland, O.</i>
Samuel Rowley MacDonald	<i>Yonkers, N. Y.</i>
Richard Van Rensselaer Malcolm	<i>New Haven, Conn.</i>
William Elder Marcus, Jr.	<i>Montclair, N. J.</i>
Ray March Merrill	<i>Kansas City, Mo.</i>
Henry Hunt Pentz	<i>Brooklyn, N. Y.</i>
Willard Springer, Jr.	<i>Wilmington, Del.</i>
Joseph Warrington Stokes	<i>Moorestown, N. J.</i>

SUMMER SCHOOL STUDENTS, 18

STUDENTS FROM THE SHEFFIELD SCIENTIFIC SCHOOL

John Howard Allison	<i>Granby, Conn.</i>	27 College st.
Noel Armstrong,	<i>New York City</i>	120 College st.
James Bond Curtiss	<i>Buffalo, N. Y.</i>	108 v-s.
Lauren Allen Kennedy	<i>Superior, Wisc.</i>	82 Wall st.
Argyle Reginald Scott	<i>Watertown, Fla.</i>	96 s. m.
Howard Frederick Weiss	<i>Peterson, N. J.</i>	114 High st.
Chester Nathan Whitney	<i>West Boxford, Mass.</i>	379 Temple st.

STUDENTS FROM SHEFFIELD SCIENTIFIC SCHOOL, 7

SUMMARY

SENIOR CLASS	.	.	.	.	29
JUNIOR CLASS	.	.	.	.	34
					<hr/>
REGULAR STUDENTS	.	.	.	.	63
SUMMER SCHOOL	.	.	.	.	18
STUDENTS FROM SHEFFIELD SCIENTIFIC SCHOOL	.	.	.	.	7
					<hr/>
TOTAL UNDER INSTRUCTION,					88

DEPARTMENT OF THEOLOGY

(YALE DIVINITY SCHOOL)

STUDENTS PURSUING SELECTED STUDIES

Gerald Hamilton Beard, B.A. Yale Univ. 1887, B.D. 1890, PH.D. 1892	<i>New Haven, Conn.</i>	624 E. D.
Angelo Di Dominica	<i>New Haven, Conn.</i>	101 Sylvan av.
Rollin Chipman Higley, B.A. Albion College 1904	<i>Lapeer, Mich.</i>	631 Elm st.
Harry Olive Hofstad, B.A. Yale University 1903	<i>Bridgeport, Conn.</i>	689 W. D.
Sarkis Ohan Kerian, B.A. St. Paul's Institute, Tarsus, 1899	<i>Adana, Asia Minor</i>	703 W. D.
John Graham McIvor, B.A. Univ. of Glasgow 1882, B.D. 1886	<i>Halifax, N. S.</i>	688 W. D.
Frank Wood Moore, B.A. Yale University 1903	<i>Elizabeth, N. J.</i>	Dwight Hall
John King Moore, B.A. Yale University 1895, B.D. 1898	<i>New Haven, Conn.</i>	101 Dwight st.
George Leo Patterson, B.A. Cornell University 1895, LL.B. Harvard University 1899	<i>Marshall, Mich.</i>	683 W. D.
Charles Paulson	<i>New Haven, Conn.</i>	112 Dixwell av.
Frederick Torrel Persons, B.A. Yale University 1894, M.A. Columbia University 1902	<i>New Haven, Conn.</i>	681 W. D.
David Collins Reid, B.A. Princeton University 1880, B.D. Yale University 1884	<i>New Haven, Conn.</i>	620 E. D.
William Almor Spinney, B.A. Colgate University 1877, M.A. 1880	<i>Wallingford, Conn.</i>	Wallingford
Emil Otto Walfrid Swanson	<i>New Haven, Conn.</i>	25 Woodland st.
Robert Seaman White	<i>New Haven, Conn.</i>	51 Linden st.
Everett Thomas Whitford, B.A. Brown University 1902, M.A. Brown University 1903	<i>New Haven, Conn.</i>	696 W. D.
Arthur Collins Williams, B.A. Yale University 1898	<i>Hartford, Conn.</i>	657 W. D.
Louis Yasgour	<i>New Haven, Conn.</i>	89 Greene st.

STUDENTS PURSUING SELECTED STUDIES, 18

GRADUATE CLASS

HOOKER FELLOW

Raymond Gilmore Clapp, B.A. Boston University 1900, B.D. Yale Univ. 1903, M.A. 1904	<i>South Boston, Mass.</i>	Germany
Herbert Stanley Brown, B.A. Yale University 1881, B.D. 1886	<i>Darien, Conn.</i>	Darien
Virginus Nelson Carney, B.A. Lincoln University 1899, B.D. Yale University 1904	<i>Chicago, Ill.</i>	618 E. D.
Shirley Jackson Case, B.A. Acadia University 1893, M.A. 1896, B.D. Yale University 1904	<i>Springfield, Kings Co., N. B.</i>	684 W. D.
George Dewitt Castor, B.A. Drury College 1898, M.A. 1903, B. D. Yale University 1904	<i>New Haven, Conn.</i>	339 York st.
Jesse Conkling Coddington, B.D. Yale University 1904	<i>Falls Village, Conn.</i>	Falls Village
Ernest Graham Guthrie, B.A. Univ. of New Zealand 1900, M.A. 1901, B.D. Yale University 1904	<i>Dunedin, New Zealand</i>	680 W. D.
William James Hail, B.A. Missouri Valley College 1899, B.D. Yale University 1904	<i>Wakayama, Japan</i>	695 W. D.
John Francis Johnston, B.A. Illinois Wesleyan University 1898, M.A. 1901, PH.D. 1902	<i>Glen Cove, Canada</i>	Seymour
Lewis Davies Lowe, B.A. Emory College 1899, B.D. Vanderbilt University 1903, M.A. 1904	<i>Nashville, Tenn.</i>	612 E. D.
Ernest Frank McGregor, B.A. University of Minnesota 1901, B.D. Yale University 1904	<i>Avon, Conn.</i>	Avon
Albert Alonzo Madsen, B.A. Moravian College 1900, B.D. Yale Univ. 1903, M.A. 1904	<i>St. Charles, Minn.</i>	682 W. D.
Joseph Dyer Prigmore, B.A. Missouri Valley College 1901, B.D. Yale University 1904	<i>Milton, Conn.</i>	Milton
John Lehman Shively, B.A. Otterbein University 1901, B.D. Yale University 1904	<i>Weston, Conn.</i>	613 E. D.
Charles Edward Snoke, B.A. Lebanon Valley College 1900, B.D. Union Biblical Seminary 1903, M.A. Yale University 1904	<i>Newburg, Pa.</i>	630 E. D.

John Arend Timm *New Haven, Conn.* 106 York sq.
 Lutheran Theological Sem. (Phila.) 1891,
 B.D. Yale University 1902
 Edgar Collins Tullar, B.A. *New Haven, Conn.* 100 East Pearl st.
 Albion College 1897

GRADUATE CLASS, 17

 SENIOR CLASS

William Herbert Alexander, Cheshunt College 1901	<i>New Haven, Conn.</i>	74 Lake pl.
Hermon Fiske Bell, B.A. Amherst College 1901	<i>Bristol, R. I.</i>	608 E. D.
Osmond Jesse Billings, B.A. Amherst College 1900	<i>Sharon, Mass.</i>	690 W. D.
Edward Alfred Blomfield, B.A. Olivet College 1902	<i>Muskegon, Mich.</i>	625 E. D.
Albert Raffles Brown, B.A. Oberlin College 1902	<i>Oberlin, O.</i>	626 E. D.
Otto Whitmore Burtner, B.A. Otterbein University 1898	<i>Washington, D. C.</i>	628 E. D.
James Walter Carpenter, B.A. Butler College 1904	<i>Indianapolis, Ind.</i>	122 Dwight st.
Stephen Davis, B.A. Drake University 1903, M.A. and B.D. Christian Univ. (Mo.) 1904	<i>Burnside, Ill.</i>	642 E. D.
George Hibbert Driver, B.A. Amherst College 1900, M.A. 1904	<i>Wakefield, Mass.</i>	702 W. D.
Noble Strong Elderkin, B.A. Amherst College 1901	<i>Chicago, Ill.</i>	39 Lynwood pl.
Oscar Robert Olsen Farel, B.A. Denison University 1902	<i>Forest City, Iowa</i>	655 W. D.
Dempster Dudley Gorton, B.A. Olivet College 1900	<i>Bridgewater, Conn.</i>	699 W. D.
Maurice Nathaniel Greene, B.A. Howard University 1901	<i>Washington, D. C.</i>	166 Henry st.
Henry Hoadly Guernsey	<i>New Haven, Conn.</i>	623 E. D.
Will Taliaferro Hale, B.A. Vanderbilt Univ. 1902, M.A. 1902	<i>Mobile, Ala.</i>	693 W. D.
William Rodman Hamlin, B.A. Yale University 1900	<i>Easthampton, Mass.</i>	621 E. D.
Ira Tapper Hawk, B.A. State University of Iowa 1899	<i>Iowa City, Iowa</i>	673 W. D.
Horace Flavel Holton, B.A. Amherst College 1902	<i>Springfield, Mass.</i>	687 W. D.
Roy Mac Houghton, B.A. Olivet College 1902	<i>Laingsburg, Mich.</i>	704 W. D.

Philip Johnson, B.A. Bethany College 1896	<i>Bethany, W. Va.</i>	646 E. D.
Mirhan Tatios Kalaidjian, B.A. St. Paul's Institute, Tarsus, 1900	<i>Evereck, Asia Minor</i>	617 E. D.
Karnig Mardiros Kuyoomjian, B.A. Lebanon Valley College 1901	<i>Iconium, Asia Minor</i>	632 E. D.
Frederick Ludwig Hermann von Lubken, B.A. Oberlin College 1902	<i>New York City</i>	135 College st.
George Stephen Anthony Nussman	<i>Evansville, Ind.</i>	12 Lawrence st.
Albert Edward Roraback, B.A. Yale University 1902	<i>Canaan, Conn.</i>	701 W. D.
John Adolphus Scheuerle, B.A. Oberlin University 1901	<i>Ritzville, Wash.</i>	627 E. D.
Raymond Abner Smith, B.A. Butler College 1900	<i>Indianapolis, Ind.</i>	622 E. D.
John Mason Wells, B.A. Amherst College 1902	<i>Palmer, Mass.</i>	40 Whalley av.
William Hamilton Wood, B.A. University of Toronto 1901	<i>Iroquois, Canada</i>	603 E. D.

SENIOR CLASS, 29

MIDDLE CLASS

Frederick Charles Aldinger, B.A. Drake University 1898	<i>Corona, Cal.</i>	14 Whalley av.
Marion LeRoy Burton, B.A. Carleton College 1900	<i>Montevideo, Minn.</i>	63 Clark st.
Donald John Cowling, B.A. Yale University 1903, M.A. 1904	<i>Scottdale, Pa.</i>	692 W. D.
Edward Evans, Jr., B.A. Cornell University 1902	<i>Foxboro, Mass.</i>	694 W. D.
Charles Lyon Hill, B.A. Yale University 1895, LL.B. Yale University 1897	<i>Fairfield, Conn.</i>	Fairfield
John Mustapha Hinds, B.A. Amherst College 1903	<i>Cortland, N. Y.</i>	712 W. D.
Floyd Swallow Leach, B.A. Wesleyan University 1903	<i>Chinchilla, Pa.</i>	645 E. D.
Oscar Edward Maurer, B.A. Beloit College 1903	<i>Beloit, Wisc.</i>	629 E. D.
Thomas Edward Nugent, B.A. Northwestern University 1903	<i>Marquette, Nebr.</i>	697 W. D.
Jason Noble Pierce, B.A. Amherst 1902	<i>Mt. Carmel, Conn.</i>	Mt. Carmel
Lucius Chapin Porter, B.A. Beloit College 1901	<i>Beloit, Wisc.</i>	631 E. D.
Wilfrid Asa Rowell, B.A. Beloit College 1899	<i>Hillsboro, Wisc.</i>	631 E. D.

Robert Seneca Smith, B.A. Yale University 1903	Clarendon, Vt.	Dwight Hall
Stephen Alexander Stewart, B.A. Trinity College 1900	Monroe, N. C.	644 E. D.
Peter Taylor, B.A. University of Toronto 1904	Hamilton, Canada.	633 E. D.

MIDDLE CLASS, 15

JUNIOR CLASS

Albert Wesley Baker, B.A. Colorado College 1904	Petoskey, Mich.	708 W. D.
Hugh Elmer Brown, B.S. Whitman College 1904	Dayton, Wash.	705 W. D.
Charles Melancthon Calderwood, PH.B. Iowa College 1900	Brooklyn, Iowa	675 W. D.
Adelbert Putnam Chapman, B.A. Yale University 1865	Northfield, Conn.	602 E. D.
Frederick Samuel Eastman, B.A. Queen's University 1903	Smithville, Canada	641 E. D.
Charles Martin Good, B.A. Otterbein University 1904	Harrisonburg, Va.	638 E. D.
Raymond Rogers Gregory, B.A. Franklin and Marshall College 1904	Gilberts, Pa.	709 W. D.
Ernest Hawley Haig, B.L. Carleton College 1901	Devils Lake, No. Dak.	711 W. D.
Ralph Moore Harper, PH.B. University of North Carolina 1904	Kinston, N. C.	640 E. D.
George Edmund Haynes, B.A. Fisk University 1903, M.A. Yale University 1904	Hot Springs, Ark.	665 W. D.
Clifford Leonard Miller, B.A. Fisk University 1904	Pratt City, Ala.	665 W. D.
Sakusuke Momikura	Hiroshimaken, Japan	714 W. D.
Willard Franklin Randolph, B.A. Yale University 1904	Newburgh, N. Y.	646 E. D.
William Henry Smith, B.A. Hiram College 1901	Tiffin, O.	641 E. D.
Albert Thomas Steele, B.A. Adrian College 1896	Monroe, Conn.	Monroe
Karl Owen Thompson, B.A. Amherst College 1904	Springfield, Mass.	635 E. D.
Arthur Ewen Westenberg, B.A. Beloit College 1904	Kirkland, Ill.	639 E. D.

JUNIOR CLASS, 17

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DEPARTMENT OF MEDICINE

(YALE MEDICAL SCHOOL)

SENIOR CLASS

Frederic Orrville Balcom	<i>Brooklyn, N. Y.</i>	71 Henry st.
Charles Thomas Beach	<i>Hartford, Conn.</i>	342 George st.
Charles Osmond Cooke, M.A.	<i>Providence, R. I.</i>	141 York st.
Brown University 1900		
Ralph William Crane	<i>Groton, Conn.</i>	333 Cedar st.
Louis Abraham Doroff	<i>New Haven, Conn.</i>	254 Cedar st.
Frank Atwater Elmes	<i>Derby, Conn.</i>	87 Park st.
Shem Alfred Everett	<i>Shokan, N. Y.</i>	133 Dwight st.
Alexander Otto Fasser	<i>New Haven, Conn.</i>	14 Baldwin st.
David Aloysius Flynn	<i>Bridgeport, Conn.</i>	856 Howard av.
Frank Thomas Gaffney	<i>Wallingford, Conn.</i>	Wallingford
Edward Peter Halton	<i>Newport, R. I.</i>	925 Howard av.
William Worthington Herrick, B.A.	<i>Sherman, Conn.</i>	63 Grove st.
Yale University 1902		
Sylvester Richard Leahy	<i>New Haven, Conn.</i>	9 Day st.
William Liebman	<i>New Haven, Conn.</i>	765 Grand av.
Michael Andrew McQueeney	<i>New Haven, Conn.</i>	160 Lamberton st.
James Smith Martin	<i>Upper Montclair, N. J.</i>	87 Park st.
John Erwin O'Connell	<i>New Haven, Conn.</i>	961 State st.
Charles Reed Pratt	<i>New Haven, Conn.</i>	440 Howard av.
Alva George Provost	<i>Torrington, Conn.</i>	333 Cedar st.
James Frederick Rogers	<i>Malta, O.</i>	78 Lake pl.
Thomas Franklyn Smallman	<i>New Haven, Conn.</i>	213 Howard av.
Edmund Spicer	<i>Groton, Conn.</i>	925 Howard av.

SENIOR CLASS, 22

JUNIOR CLASS

Frank Mears Adams, PH.B.	<i>New Haven, Conn.</i>	141 York st.
Yale University 1902		
Frank Calvin Atchison	<i>Norwich, Conn.</i>	
Eugene Maurice Blake	<i>Bridgeport, Conn.</i>	120 York st.
Joseph Edward Brady	<i>Brockton, Mass.</i>	591 Elm st.
Patrick Joseph Brennan	<i>Norwich, Conn.</i>	184 Crown st.
Michael Edward Cooney, Jr.	<i>Florence, Mass.</i>	315 Crown st.
Calvert Martin DeForest	<i>Cumberland, Wisc.</i>	120 York st.

Prospero Fortunato Benjamin Francolini

	<i>Hartford, Conn.</i>	157 York st.
Edwin Carpenter Gilbert	<i>West Hartford, Conn.</i>	120 York st.
Isaiah Hagob Halladjian	<i>Aintab, Turkey</i>	46 Sperry st.
Joseph Webster Horton	<i>Hartford, Conn.</i>	668 W. D.
William Lorne Irvine, B.A.	<i>Mill Creek, Manitoba</i>	141 York st.
Yale University 1903		
Herbert Leopold Kennedy	<i>Glenbrook, Conn.</i>	87 Park st.
Louis Herbert Limauro	<i>New Haven, Conn.</i>	209 Wallace st.
Carl Emil Meyer	<i>Chicopee, Mass.</i>	371 Crown st.
Charles Ruben Mitchell	<i>New Britain, Conn.</i>	668 W. D.
Charles Connor Murphy	<i>New Haven, Conn.</i>	102 York sq.
John Emilius Parker, B.S.	<i>Charleston, S. C.</i>	153 Dwight st.
Union College 1901		
John Woodcock Parker, Jr.	<i>New Haven, Conn.</i>	404 Ferry st.
Frank Lyman Phillips, PH.B.	<i>New Haven, Conn.</i>	141 York st.
Yale University 1902		
Bernard Jules Rosen	<i>Rochester, N. Y.</i>	52 Lafayette st.
Charles Arthur Ruickoldt	<i>New Haven, Conn.</i>	71 Olive st.
Charles Edwin Sanford	<i>Ansonia, Conn.</i>	928 Grand av.
Irving Frank Scofield, B.A.	<i>Meriden, Conn.</i>	Meriden
Wesleyan University 1902		
Max Ruskin Smirnow	<i>New Haven, Conn.</i>	12 Davenport av.
Jeremiah Barrett Sullivan, B.A.	<i>New Haven, Conn.</i>	245 Washington av.
Yale University 1903		
Charles Arthur Tetrault, PH.B.	<i>Southbridge, Mass.</i>	919 Howard av.
Brown University 1902		
William Howard Treat	<i>Derby, Conn.</i>	Derby
John William Vollmer	<i>So. Norwalk, Conn.</i>	S. Norwalk
Alexander Zangwill Wolodarsky	<i>New York City</i>	12 Sylvan av.

JUNIOR CLASS, 30

SECOND YEAR CLASS

David Nils Ahlstrom	<i>Bradford, Pa.</i>	141 York st.
Louis Mark Alofsin	<i>Norwich, Conn.</i>	14 Gold st.
William Laurence Anderson	<i>New Haven, Conn.</i>	1187 Chapel st.
Horace Doolittle Bellis	<i>Trenton, N. J.</i>	1187 Chapel st.
George Houghton Bodley	<i>New Britain, Conn.</i>	371 Crown st.
Felix Percy Chillingworth	<i>New Haven, Conn.</i>	47 Stanley st.
James Ryle Coffey, B.A.	<i>New Haven, Conn.</i>	17 Autumn st.
Yale University 1903		
Charles Clarence Davis	<i>New Haven, Conn.</i>	98 Greene st.
Hugh Francis Flaherty	<i>Derby, Conn.</i>	43 College st.

Samuel James Goldberg	<i>Hartford, Conn.</i>	14 Gold st.
Rufus Warren Hall	<i>Bridgeport, Conn.</i>	141 York st.
Albert Ludwig Hendricks	<i>New Haven, Conn.</i>	239 George st.
George Francis Herrity	<i>New Haven, Conn.</i>	102 Ward st.
Samuel Francis Jackson	<i>New Haven, Conn.</i>	56 Frank st.
James Irving Latimer	<i>Hartford, Conn.</i>	333 York st.
Robert Francis Lawless	<i>Annandale, P. E. I., Canada</i>	1151 Chapel st.
John Thomas Leahy	<i>New London, Conn.</i>	333 York st.
Albert Buist Levy	<i>New Haven, Conn.</i>	69 Audubon st.
Edgar Gillett Loomis	<i>Westfield, Mass.</i>	143 York st.
Emmett Judson Lyman	<i>Suffield, Conn.</i>	157 York st.
John Joseph MacDonald	<i>New York City</i>	856 Howard av.
Edwin Lowell Marcy	<i>New Haven, Conn.</i>	355 Lenox st.
Anthony Joseph Mendillo	<i>New Haven, Conn.</i>	86 Canal st.
Matthew Nigohos Nahigan	<i>Hartford, Conn.</i>	11 Lake pl.
Harry Charles Podall	<i>New Haven, Conn.</i>	189 Meadow st.
Roy Clifford Potter	<i>Guilford, Conn.</i>	899 Howard av.
William Orrin Rice, PH.B.	<i>Gardner, Mass.</i>	116 High st.
Brown University 1903		
Clyde Augustus Roeder	<i>Grand Island, Nebr.</i>	373 Crown st.
Thomas Francis Scanlon	<i>Noroton, Conn.</i>	255 Crown st.
Marvin McRae Scarbrough, B.A.	<i>Eugene, Oregon</i>	919 Howard av.
University of Oregon 1902		
George James Schuele	<i>Chicago, Ill.</i>	925 Howard av.
Goodrich Truman Smith	<i>Woodbury, Conn.</i>	668 W. D.
John Walter Sweeney	<i>New Haven, Conn.</i>	85 Sachem st.
George Edward Teehan	<i>Brockton, Mass.</i>	381 Crown st.
Frank William Thompson	<i>Waterbury, Conn.</i>	226 Whalley av.
Edwin Jewels Weldon	<i>Torrington, Conn.</i>	281 Crown st.
Benedict Nolasco Whipple	<i>Bristol, Conn.</i>	381 Crown st.

SECOND YEAR CLASS, 37

FIRST YEAR CLASS

Robert Robertson Agnew	<i>New Haven, Conn.</i>	27 Pearl st.
Alfonso Louis Avitabile	<i>New Haven, Conn.</i>	10 Franklin st.
Abraham Bernstein	<i>Ansonia, Conn.</i>	81 York st.
John Eugene Black, PH.B.	<i>Bridgeport, Conn.</i>	120 York st.
Yale University 1903		
Robert Joseph Boyle	<i>New Haven, Conn.</i>	974 State st.
Thomas Frederick Broderick, Jr.	<i>Jamaica Plain, Mass.</i>	57 Prospect st.
Paul Morgan Butterfield	<i>Wilmington, Vt.</i>	159 Elm st.

Harry Elmer Candee, PH.B. Yale University 1904	New Haven, Conn.	74 Dixwell av.
Perley Bickford Chandler, B.A. Coe College 1904	Marengo, Iowa	51 Trumbull st.
Clifton Mather Cooley	E. Norwalk, Conn.	919 Howard av.
Charles Carleton Cutting	New Haven, Conn.	821 Whitney av.
Arthur Williston Dillaway	Melrose Highlands, Mass.	33 York st.
Joseph Patrick Fallon	Bangor, Me.	373 Crown st.
John Francis Flynn	Bridgeport, Conn.	Bridgeport
Aristide William Giampietro, D.D. Gregorian University (Rome) 1903	Stamford, Conn.	12 Elliott st.
Alfred Carlton Gilbert	Portland, Ore.	146 York st.
Charles Leonard Godfrey, Jr.	Taunton, Mass.	21 Lynwood pl.
Robert Edwin Aloysius Harney	Boston, Mass.	Wallingford
Abram Aron Hershman	New Haven, Conn.	13 Dow st.
Joseph Edward Kearney	New Haven, Conn.	179 Church st.
Hugh Francis Keating	Wallingford, Conn.	Wallingford
Edward Charles Kiernan	New Haven, Conn.	98 St. John st.
George Conklin Kinne	Ypsilanti, Mich.	96 Sherman av.
Henry Bertram Lambert	Bridgeport, Conn.	293 York st.
Charles Augustus LaMont	Albion, N. Y.	355 W.
Joseph Irving Linde	New Haven, Conn.	83 Lafayette st.
William Edward Lippman	New Haven, Conn.	812 Grand av.
James David MacGaughey, Jr.	Wallingford, Conn.	293 York st.
John Henry McGrath	New Haven, Conn.	228 Crown st.
Arthur Drought Marsh	Westville, Conn.	1012 Whalley av.
Russell Perry Morrison	Brooklyn, N. Y.	400 B.
Clement Channing Nevin	Edgartown, Mass.	373 Crown st.
Harry Levin Roesch Nickerson	Quincy, Ill.	420 B.
Ira Hart Noyes	Stonington, Conn.	91 Park st.
John Francis O'Brien	Meriden, Conn.	925 Howard av.
Michael Antonio Parlato	Derby, Conn.	Derby
William Leslie Patterson, M.A. Yale University 1904	Amherst, N. S.	120 York st.
Lawrence Alson Pomeroy	Cleveland, O.	36 v.
Howard MacMillan Richard, B.A. Wesleyan University 1904	New Haven, Conn.	621 Howard av.
Joseph Eastman Sheehan	Wallingford, Conn.	Wallingford
Abraham Albert Smernoff	New Haven, Conn.	831 Grand av.
Emil Maurice Soroch	New Haven, Conn.	25 Bradley st.
Christopher Arnold Thompson	Jewell, Iowa	361 Orange st.
Paul Titus	Syracuse, N. Y.	925 Howard av.
Benjamin VanCampen	Olean, N. Y.	462 FW.
Mendel Volkenheim	New Haven, Conn.	40 Spruce st.

Herbert Cooper Ward, M.S.	Coin, Iowa	219 York st.
Wesleyan University 1903		
Edward Joseph Whalen	Northampton, Mass.	315 Crown st.
Preston Wing Whitaker	Waterville, Me.	1081 Chapel st.

FIRST YEAR CLASS, 49

SPECIAL STUDENT

Hagop Harountum Davidian	Afion-Karahissar, Armenia
	53 Prospect st.

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DEPARTMENT OF LAW

(YALE LAW SCHOOL)

GRADUATE CLASS

Noa Webster Aluli, LL.B. University of Michigan 1901	<i>Wailuku Mani, H. T.</i> 373 Crown st.
George Willis Anamosa, LL.B. University of Missouri 1904	<i>Sedalia, Mo.</i> 801 Orange st.
Andrew Tew Bierkan, LL.B. Yale University 1896, M.L. Yale University 1904	<i>New Haven, Conn.</i> 138 Lawrence st.
Francis Eldred Boland, LL.B. University of California 1904	<i>San Francisco, Cal.</i> 333 York st.
Yü Chüan Chang, LL.B. Yale University 1903, M.L. Yale University 1904	<i>Canton, China</i> 297 George st.
Alexander Cumming, PH.B. University of Michigan 1894, LL.B. Harvard Univ. 1902, M.A. 1903	<i>Cambridge, Mass.</i> 1032 Chapel st.
Earl Albert Darr, LL.B. Drake University 1904	<i>Des Moines, Iowa</i> 925 Howard av.
Frank James Ehrhardt, LL.B. Drake University 1904	<i>Jefferson, Iowa</i> 55 Prospect st.
Reyu Midori Kimura, LL.B. Yale University 1904, Tokyo English Law School 1897	<i>Tokyo, Japan</i> 132 Canal st.
Jesus Obieta, LL.B. University of St. Tomas 1902	<i>Manila, P. I.</i> 14 Whalley av.
Chung Hui Wang, LL.B. Tientsin University 1899, M.L. Yale University 1903	<i>Canton, China</i> 126 Howe st.
Gustavus Cosmas Seidel Welyel, LL.B. University of Pennsylvania 1904	<i>Philadelphia, Pa.</i> 213 York st.
Salvador Zaragoza, B.A. University of St. Tomas 1896, LL.B. University of St. Tomas 1902	<i>Manila, P. I.</i> 222 Crown st.

GRADUATES, 13

THIRD YEAR CLASS

Abraham Aaronson	<i>New York City</i> 530 Congress av.
Ernest Leroy Averill	<i>New Haven, Conn.</i> 381 Lenox st.
John Joseph Bennett	<i>Ansonia, Conn.</i> 159 York st.
William Woodworth Bent	<i>Norwich, Conn.</i> 159 Elm st.

James Milton Betts, B.A. Yale University 1903	Newtown, Conn.	126 Wall st.
Frank Edward Bollmann	New Haven, Conn.	40 Sylvan av.
John Leon Bonee	Hartford, Conn.	333 York st.
Francis Merian Colvin, LL.B. North Indiana University 1904	Valparaiso, Ind.	101 William st.
Thomas Whipple Connally, PH.B. Emory College 1902,* B.L. University of Georgia 1904	Atlanta, Ga.	284 W.
John Harden Connell, B.A. West Virginia University 1901	Wellsburg, W. Va.	3 College st.
Warren Francis Cressy	Hartford, Conn.	137 Dwight st.
Glenn Norman Curnow	Mt. Carmel, Pa.	86 Broadway
Edward Alfred Donohoe, B.A. Yale University 1903	Lynn, Mass.	691 W. D.
Solomon Elsner	Hartford, Conn.	58 V.
William Dean Embree, B.A. Yale University 1902	Salt Lake City, Utah	636 E. D.
Carl Dudley Eshelman, B.A. University of Washington 1904	Tacoma, Wash.	119 Wall st.
Henry Frederick Fletcher	Enfield, Conn.	317 Crown st.
Henry Greenstein	Philadelphia, Pa.	663 Howard av.
Wilfred Alan Greenwell	Kalukalu, H. I.	1137 Chapel st.
James Dana Hart	New Haven, Conn.	113 Wolcott st.
Fred C. Hempy	Mt. Vernon, N. Y.	139 York st.
John Linden Henning, Jr.	Saratoga, N. Y.	
Michael Herbert	New Haven, Conn.	283 Crown st.
Norman Granger Hewitt	Saratoga Springs, N. Y.	333 York st.
William Cyril Holden	Forestville, Conn.	86 Broadway
Richard William Hollaman	Brooklyn, N. Y.	36 Elm st.
Isaac Stiles Hopkins, Jr., B.A. Emory College 1901, LL.B. University of Georgia 1904	Athens, Ga.	317 Crown st.
Albert Herman Jente, PH.B. Yale University 1902	New Haven, Conn.	97 Bristol st.
Ira W. Jones, B.S. Iowa State College 1903	Allison, Iowa	925 Howard av.
Abraham Gilbert Kaulukou	Honolulu, H. I.	373 Crown st.
Edwin Donald Keith	Chicago, Ill.	119 Wall st.
Frank Kenna	New Haven, Conn.	25 Lake pl.
David Edward Lavigne, B.A. Laval University 1902	New Haven, Conn.	204 Winthrop av.
George Sidney Leach, B.A. Yale University 1903	Gloversville, N. Y.	126 Wall st.
Robert Edward Lee	New Haven, Conn.	283 Crown st.
William Frederick Lemke, B.A. Univ. of North Dakota 1904	Cando, N. D.	342 George st.

Edmund Hubert Lennon	<i>Joliet, Ill.</i>	349 Elm st.
Huber Berkley Lewis	<i>St. Joseph, Mo.</i>	333 York st.
Elmer Hayes Lounsbury	<i>East Bridgeport, Conn.</i>	647 E. D.
William Mills Maltbie, B.A.	<i>Granby, Conn.</i>	36 Elm st.
Yale University 1901		
Burleigh Voorhees Mathews, B.A.	<i>Auburndale, Mass.</i>	636 E. D.
Boston University 1900		
Frederick M. McCarthy	<i>Ansonia, Conn.</i>	Ansonia
Francis James McCoy	<i>New York City</i>	315 Crown st.
Peter Joseph McDermott	<i>Torrington, Conn.</i>	643 E. D.
Maxwell Edwin Merwin	<i>Buffalo, N. Y.</i>	283 Crown st.
Julius French Miller	<i>Franklin, Pa.</i>	108 High st.
William Thomas Minor	<i>New Haven, Conn.</i>	271 Orange st.
Thomas Nardello	<i>Philadelphia, Pa.</i>	215 York st.
Matthew Edward O'Brien	<i>Bridgeport, Conn.</i>	Bridgeport
Daniel Lawrence O'Neill, B.A.	<i>East Hartford, Conn.</i>	698 W. D.
Yale University 1903		
Clifford Herrick Owen, B.A.	<i>Penn Yan, N. Y.</i>	146 York st.
Yale University 1902		
Harry Rockey Parker, LL.B.	<i>Pataskala, O.</i>	157 York st.
Grant College 1904		
Guy Patten, LL.B.	<i>Muskogee, I. T.</i>	157 York st.
Grant University 1904		
Davis Salmon Rivkin	<i>Hartford, Conn.</i>	663 Howard av.
Joseph Clinton Roraback, B.A.	<i>Canaan, Conn.</i>	701 W. D.
Yale University 1903		
Charles Cooke Russ, B.A.	<i>Hartford, Conn.</i>	265 L.
Yale University 1902		
Fred Calvin Russell, LL.B.	<i>New Haven, Conn.</i>	50 Howe st.
New York Law School 1904		
Edmond Huggins Smith, B.A.	<i>Glasgow, Ky.</i>	130 Wall st.
Kentucky Military Institute 1901		
Frank Herman Strohm	<i>San Francisco, Cal.</i>	119 Wall st.
Mason Trowbridge, B.A.	<i>New Haven, Conn.</i>	431 FW.
Yale University 1902		
Burton Parker Twichell, B.A.	<i>Hartford, Conn.</i>	718 W. D.
Yale University 1901		
James Rogers Veitch, B.A.	<i>S. Manchester, Conn.</i>	216 Orange st.
Wesleyan University 1903		
William Godolphin Waldron	<i>New Haven, Conn.</i>	
Clinton Roger Williams	<i>Boothwyn, Pa.</i>	679 W. D.
Lon K. Wischart	<i>New Castle, Ind.</i>	159 York st.
Benjamin Elizur Wright, PH.B.	<i>New York City</i>	159 Elm st.
Yale University 1885		

SECOND YEAR CLASS

Louis Frederick Adelman	<i>Pittsburg, Pa.</i>	276 Orange st.
Joseph Toyne Anquillare	<i>New Haven, Conn.</i>	337 Orange st.
George Stanleigh Arnold, B.A.	<i>New Haven, Conn.</i>	24 Dwight st.
Yale University 1903		
William Brown Arvine, B.A.	<i>New Haven, Conn.</i>	1169 Chapel st.
Yale University 1903		
Albert Jabez Bailey	<i>Yantic, Conn.</i>	159 Elm st.
Seth Weaver Baldwin, B.A.	<i>Naugatuck, Conn.</i>	685 W. D.
Yale University 1904		
Clarence Alfred Barnes, B.A.	<i>Mansfield, Mass.</i>	226 York st.
Yale University 1904		
Frederick Chester Bauby	<i>Waterbury, Conn.</i>	Waterbury
Clarence Linewood Beedy, B.A.	<i>Bangor, Me.</i>	36 Elm st.
Bates College 1903		
Philip Nathan Bernstein	<i>New Haven, Conn.</i>	795 Grand av.
George David Brodie, B.A.	<i>Burlington, Vt.</i>	122 Wall st.
University of Vermont 1903		
Paul Andros Brooks	<i>Minneapolis, Minn.</i>	36 Elm st.
William Andrew Buckley	<i>New London, Conn.</i>	146 York st.
Charles Clinton Bunker, B.A.	<i>Cambridge, Mass.</i>	66 Whalley av.
Dartmouth College 1903		
James Noël Howard Campbell, B.A.	<i>Hartford, Conn.</i>	333 York st.
Yale University 1903		
Otto Caplan	<i>New Haven, Conn.</i>	29 George st.
Birdsey Erskine Case	<i>New Haven, Conn.</i>	44 Elm st.
John Martin Cates	<i>Brookline, Mass.</i>	36 Elm st.
Russell Porter Clark	<i>Chicago, Ill.</i>	115 York st.
Israel Jacob Cohn	<i>Bridgeport, Conn.</i>	Bridgeport
James Eliot Cosgrove	<i>New Haven, Conn.</i>	494 Winthrop av.
David Jackson Davis	<i>Arab, Ala.</i>	159 Elm st.
Henry Charles Dean	<i>Bridgeport, Conn.</i>	27 College st.
Edward Clarence Dial	<i>Bridgeport, Conn.</i>	1081 Chapel st.
John Coleman Durey	<i>Denver, Colo.</i>	137 Dwight st.
Lockett Clifford Ely	<i>Knoxville, Tenn.</i>	1079 Chapel st.
Henry James Freeman	<i>Naugatuck, Conn.</i>	150 York st.
Herman Glasser	<i>New York City</i>	163 York st.
Martin Wood Hall	<i>New York City</i>	36 Elm st.
John Raymond Hayes	<i>S. Manchester, Conn.</i>	336 George st.
Maurice Holzman	<i>Johnstown, Pa.</i>	274 Elm st.
Ernest Hamilton Hurd	<i>Wilton, Conn.</i>	65 Grove st.
Francis Dustin Hurtt	<i>New York City</i>	661 W. D.
William Alexander Johnson	<i>Marion, S. C.</i>	333 York st.
Herbert Victor Jones	<i>Brooklyn, N. Y.</i>	116 High st.
John William Joy, B.A.	<i>Waterbury, Conn.</i>	36 Elm st.
Yale University 1901		

James Whitney Knox, B.A. Yale University 1904	Hartford, Conn.	717 W. D.
Louis Adolph Kornblut	Ansonia, Conn.	Ansonia
Juan Alegre Levantino		
Aldis Willard Lovell, B.A. Dartmouth College 1903	Waterbury, Conn.	
Herbert Canfield Lust	Chicago, Ill.	454 FW.
John Coleman Mahon	Hartford, Conn.	277 Crown st.
George Frazin Mara	Bridgeport, Conn.	163 York st.
William MacDonald	Hatfield, Mass.	146 York st.
William James MacMahon	Pittsburg, Pa.	36 Elm st.
William Mulville	Norfolk, Conn.	674 W. D.
Robert Ludlow Nase	Hebron, Va.	36 Elm st.
George Nicholas	New York City	36 Elm st.
Edgar LeRoy Pond, Jr., B.A. Yale University 1904	Terryville, Conn.	333 York st.
Thomas Fitzgerald Porter, Jr.	Natchitoches, La.	399 Elm st.
Benjamin Samuel Pouzzner	New Britain, Conn.	14 Gold st.
James John Quill, B.S. Amherst College 1904	Holyoke, Mass.	698 W. D.
Joseph Reich	Pittsburg, Pa.	126 Wall st.
Charles Asaph Roberts, B.A. Yale University 1902	Hartford, Conn.	662 W. D.
Morris David Saxe	New Haven, Conn.	19 Gold st.
Alexander Randolph Scharton	Hartford, Conn.	1081 Chapel st.
Paul Shaffrath, B.A. Yale University 1904	Waterbury, Conn.	83 Sachem st.
Arthur Henry Slack, PH.B. Brown University 1903	Riverside, R. I.	399 Elm st.
Matt Savage Walton, B.A. Kentucky University 1902	Lexington, Ky.	217 York st.
Erschine Douglas Warren	Toronto, Ontario	36 Elm st.
Edward Hall Washburn	New Haven, Conn.	570 Howard av.
Norman Weil	Baltimore, Md.	133 Wall st.
Francis Bayard Winthrop, B.A. Florida State College 1903	Tallahassee, Fla.	124 Wall st.

SECOND YEAR, 64

FIRST YEAR CLASS

Juan Bautista Alegre, B.A. University of Barcelona	Manila, P. I.	126 Wall st.
Daniel Joseph Alpert	New Haven, Conn.	75 York st.
John Quincy Ames	Brooklyn, Wisc.	267 Orange st.

Thorpe Babcock	Quincy, Mass.	293 York st.
Harry Ira Bates, PH.B.	Detroit, Mich.	200 Orange st.
Yale University 1904		
Ralph Turner Beers	Bridgeport, Conn.	Bridgeport
Harold Bacon Berg	New Haven, Conn.	61 Water st.
Clarence Ora Boyd	Adams, N. Y.	60 Edwards st.
Spencer Gilson Brown, M.A.	Brighton, Ill.	333 York st.
Princeton University 1904		
Robert Burton, B.A.	Carlinville, Ill.	333 York st.
Blackburn College 1904		
William Kernan Camblos, B.A.	Philadelphia, Pa.	333 York st.
St. Joseph's College (Phila.) 1904		
Vahan Cardashian	Cesarea, Armenia	Box 729 Yale Sta.
Philip Roger Carroll	Bridgeport, Conn.	Bridgeport
Arthur Joseph A. Charwate	Houston, Tex.	159 Elm st.
Luther Gardner Coburn, B.S.	New Haven, Conn.	539 Elm st.
Wesleyan University 1901		
John Aloysius Cohan	Pittsburg, Pa.	102 York sq.
William Whitson Crabb	Newark, N. J.	133 College st.
James Augustin Cummings	Fairfield, Conn.	Fairfield
Marion Roscoe Davis, B.A.	Niantic, Conn.	115 Howe st.
Hamilton College 1904		
Ferdinand D'Esopo	Hartford, Conn.	120 High st.
John Bernardine Dillon	Shelton, Conn.	371 Crown st.
William Brewster Ely, B.A.	New Haven, Conn.	426 George st.
Yale University 1904		
Henry Perkins Erwin, B.A.	Johnson City, Tenn.	280 L.
Yale University 1904		
Charles William Evarts	New Haven, Conn.	49 Lawrence st.
Ray Henry Everett	New Haven, Conn.	314 Crown st.
Carl Stanley Flanders, B.A.	Malden, Mass.	1081 Chapel st.
Yale University 1904		
Pierrepoint Beers Foster, B.A.	New Haven, Conn.	235 Bishop st.
Yale University 1903		
John Morrison Fox	Wolcott, Ind.	57 Court st.
William Roslyn Garde	New Haven, Conn.	329 Whalley av.
Elisha Ely Garrison, B.A.	New Haven, Conn.	284 Orange st.
Yale University 1897		
Abe Saul Geduldig	Bridgeport, Conn.	Bridgeport
Holliday Ellwood Hartman	Ellwood City, Pa.	314 Crown st.
Hugh Horatio Henry	Concord, N. H.	40 v.
Percival Wilbur Hine	New Haven, Conn.	288 Howard av.
Thomas Courtenay Hoge, Jr.	New York City	333 York st.
Charles Arthur Hopwood	Bridgeport, Conn.	Bridgeport
Albert Edward Jacobs	Gloucester, Mass.	159 Elm st.

Max Jelline	<i>New Haven, Conn.</i>	593 East st.
Bernard Israel Kamen	<i>New Haven, Conn.</i>	734 Grand av.
William Kennedy	<i>Naugatuck, Conn.</i>	163 York st.
John Lacava	<i>Hartford, Conn.</i>	29 High st.
Frederick William Lang	<i>Brooklyn, N. Y.</i>	333 York st.
Andrew Lee Linder	<i>Hartwell, Ga.</i>	313 Crown st.
Italo Mazzini Lordi	<i>Brooklyn, N. Y.</i>	135 Wall st.
William Douglas Lovelace	<i>Muskegon, Mich.</i>	371 Crown st.
Frank Patrick McEvoy	<i>Waterbury, Conn.</i>	333 York st.
James Augustine McKenna	<i>Long Island City, N. Y.</i>	128 Wall st.
William Glenn McMillen	<i>Carnegie, Pa.</i>	333 York st.
Charles Edward Moore	<i>Stamford, Conn.</i>	255 Crown st.
Albert Clayton Moss	<i>Lancaster, Pa.</i>	333 York st.
Edgar Munson, B.A.	<i>Williamsport, Pa.</i>	155 Elm st.
Yale University 1904		
George Sharp Munson, B.A.	<i>Williamsport, Pa.</i>	155 Elm st.
Yale University 1904		
Hugh Joseph Murphy, B.A.	<i>New Haven, Conn.</i>	179 Blatchley av.
Yale University 1904		
Burdes Charles Oelschlegel	<i>Torrington, Conn.</i>	281 Crown st.
George Elton Parks, B.A.	<i>Providence, R. I.</i>	155 Elm st.
Yale University 1904		
Ogden Mills Reid, B.A.	<i>New York City</i>	1076 Chapel st.
Yale University 1904		
Sabin Sayles Russell	<i>Killingly, Conn.</i>	130 Wall st.
Frederick Richard Ryan, B.A.	<i>New Haven, Conn.</i>	613 Howard av.
Yale University 1901		
Harry John Schmidt	<i>Philadelphia, Pa.</i>	333 York st.
Joseph George Shapiro	<i>New Haven, Conn.</i>	288 Grand av.
Adelbert Arthur Skeel, PH.B.	<i>Freeport, Ill.</i>	250 York st.
Yale University 1904		
Robert Gordon Starr	<i>Stamford, Conn.</i>	47 Lake pl.
Paul Raymond Stinson	<i>Montreal, Canada</i>	333 York st.
Thomas P. Sutton, B.A.	<i>Mt. Sterling, Ky.</i>	217 York st.
Georgetown College 1904		
Thomas Day Thacher, B.A.	<i>New York City</i>	1076 Chapel st.
Yale University 1904		
George Slingerland VanSchaick	<i>Cobleskill, N. Y.</i>	333 York st.
William Ernest Whiting, B.A.	<i>New Haven, Conn.</i>	345 Whitney av.
Yale University 1904		
Orrin Arthur Wing	<i>Lowell, Mass.</i>	389 Orange st.
Charles Herbert Woods, B.A.	<i>Carlinville, Ill.</i>	333 York st.
Blackburn College 1904		
Harold James Wright	<i>Los Angeles, Cal.</i>	126 High st.

CANDIDATE FOR DEGREE OF B.C.L.

John Robert A. Waller

Dubuque, Iowa

222 Crown st.

SPECIAL STUDENTS

Louis Hyde Bauman	<i>St. Louis, Mo.</i>	
Thomas Joseph Bowe	<i>Wallingford, Conn.</i>	143 York st.
John Francis Clark	<i>Spokane, Wash.</i>	110 Wall st.
Samuel Kirke Crawford	<i>St. Louis, Mo.</i>	371 Crown st.
Andrew Jefferson Ely	<i>Knoxville, Tenn.</i>	1079 Chapel st.
Elmer William Gearing	<i>New Haven, Conn.</i>	
Benjamin Henry Hewitt	<i>Mystic, Conn.</i>	
Albert Wallace Hull	<i>Torrington, Conn.</i>	358 WH.
Wilhelm Parry Kennard	<i>Boston, Mass.</i>	107 V-S.
Abram French Morrill	<i>New York City</i>	36 Elm st.
William Joseph Mulligan	<i>Thompsonville, Conn.</i>	36 Elm st.
Charles Stuart Murphy	<i>Worcester, Mass.</i>	159 York st.
Frederick Williams Nuhn	<i>New Haven, Conn.</i>	506 Elm st.
Caleb Wilson Spofford O'Connor	<i>Washington, D. C.</i>	96 S. M.
Carl Springer	<i>New Castle, Pa.</i>	108 High st.
Orville Bird Stanton, Jr.	<i>Kansas City, Mo.</i>	120 High st.
Henry Budington Stoddard, B.A.	<i>Bridgeport, Conn.</i>	Bridgeport
Yale University 1902		
Ezra Crowell Terry	<i>Willimantic, Conn.</i>	537 Howard av.
Carlile Patterson Winslow	<i>Hartford, Conn.</i>	120 College st.

SPECIAL STUDENTS, 19

ACADEMICAL AND GRADUATE STUDENTS TAKING LAW

Frederick Leonard Adams	<i>Brooklyn, N. Y.</i>	465 FW.
Richard Steere Aldrich	<i>Providence, R. I.</i>	293 W.
Roger Hamlin Anderson	<i>Constantinople, Turkey</i>	162 F.
Walter Preston Armstrong	<i>Coffeeville, Miss.</i>	352 WH.
Herbert Nathaniel Arnstein	<i>St. Louis, Mo.</i>	18 V.
Albert Aston	<i>Brooklyn, N. Y.</i>	456 FW.
Harry Hall Atwater	<i>Auburn, N. Y.</i>	145 Franklin st.
William Thompson Bacon	<i>Derby, Conn.</i>	295 W.
William Marvin Barlow	<i>Rock Rift, N. Y.</i>	430 FW.
Walcott Duryea Bartlett	<i>New York Mills, N. Y.</i>	67 V.
William Baxter, Jr.	<i>Wilmington, Del.</i>	317 W.
John Eldridge Bentley	<i>McMinnville, Tenn.</i>	462 FW.
Bernard Barton Bigelow, PH.B.	<i>Findlay, O.</i>	42 Lake pl.
Ohio State University 1903		

Arthur Willis Blackman	<i>New Haven, Conn.</i>	41 V
John Borden	<i>Chicago, Ill.</i>	234 D.
Timothy Lincoln Bouscaren	<i>Cincinnati, O.</i>	293 W.
James Beardsley Brinsmade	<i>Derby, Conn.</i>	2 V.
Gilbert Browning	<i>New York City</i>	69 V.
Charles Carver, Jr.	<i>Philadelphia, Pa.</i>	391 B.
William Julius Champion, Jr.	<i>Grand Rapids, Mich.</i>	62 V.
Franklin Glazier Chapin	<i>Greenwich, Conn.</i>	447 FW.
Robert Robinson Chase	<i>Lyndon, Vt.</i>	341 WH.
Ralph Mortimer Coe	<i>Cleveland, O.</i>	371 WH.
Roland Baldwin Coe	<i>Newark, N. J.</i>	299 W.
Albert Merrill Coit	<i>Grand Rapids, Mich.</i>	9 V.
Runyon Colie	<i>East Orange, N. J.</i>	21 V.
John Edward Copps	<i>West Rutland, Vt.</i>	235 D.
Emile Louise Coté	<i>Baltic, Conn.</i>	235 D.
Walter Hurd Coursen	<i>Scranton, Pa.</i>	233 D.
Sidney Bradford Curtis	<i>Brooklyn, N. Y.</i>	347 WH.
Boyd Graphic Curts	<i>Syracuse, N. Y.</i>	28 V.
David Edward Dangler	<i>Cleveland, O.</i>	35 V.
Lawrence Darr	<i>Pittsburg, Pa.</i>	441 FW.
Edmund Montgomery Davidson	<i>Huntington, N. Y.</i>	62 V.
William Dwight Dean	<i>Evanston, Ill.</i>	17 V.
Jesse Vincent Devine	<i>Waterbury, Conn.</i>	365 WH.
Harold Edwin Dimock	<i>Hartford, Conn.</i>	287 W.
Effingham Nevins Dodge	<i>Paterson, N. J.</i>	16 V.
Henry Groff Dodge	<i>Cleveland, O.</i>	332 WH.
John Hampden Dougherty, Jr.	<i>Brooklyn, N. Y.</i>	370 WH.
Harold Espe Drew	<i>Ansonia, Conn.</i>	295 W.
Marcus Homer Duncan, B.A.	<i>Wylie, Texas</i>	291 Norton st.
Baylor University 1899,		
B.A. Yale University 1902		
William Mason Duncan	<i>Russellville, Ky.</i>	352 WH.
John Gilmore Dunlap	<i>Philadelphia, Pa.</i>	325 W.
Walter Dyson, B.A.	<i>Paris, Ill.</i>	677 W. D.
Fisk University 1903		
George Holmes Edwards	<i>Bridgeport, Conn.</i>	17 V.
John Raymond Engle	<i>Palmyra, Pa.</i>	285 W.
Alfred Ethridge	<i>Rome, N. Y.</i>	368 WH.
Walter Filmer Evans	<i>Gloversville, N. Y.</i>	13 V.
James Edwin Ewers	<i>Fredericktown, O.</i>	258 L.
John Joseph Finegan	<i>Lawrence, Mass.</i>	454 FW.
Stuyvesant Fish, Jr.	<i>New York City</i>	61 V.
Roger Yale Flanders	<i>Milwaukee, Wisc.</i>	455 FW.
Joseph Marion Forsyth	<i>Franklin, N. Y.</i>	430 FW.

George Starkweather Fowler	<i>New Haven, Conn.</i>	333 WH.
Stanleigh Pohly Friedman	<i>Albany, N. Y.</i>	58 v.
Randolph Frothingham	<i>Scranton, Pa.</i>	62 v.
Hollis Currier Goodwin	<i>Haverhill, Mass.</i>	86 s. M.
Charles Waterhouse Goodyear, Jr.	<i>Buffalo, N. Y.</i>	305 W.
Peter Gow	<i>Holyoke, Mass.</i>	468 FW.
John Nesmith Greely	<i>Washington, D. C.</i>	316 W.
Crawford Greene	<i>Providence, R. I.</i>	283 W.
Albert Byron Gregory	<i>St. Louis, Mo.</i>	383 B.
John Richard Halsey	<i>Wilkes-Barre, Pa.</i>	53 v.
Louis Walter Handel	<i>Buffalo, N. Y.</i>	300 W.
Edward Victor Hardway	<i>Fayetteville, W. Va.</i>	336 George st.
Samuel Milby Harrington	<i>Brooklyn, N. Y.</i>	340 WH.
Arthur Haserot	<i>Cleveland, O.</i>	309 W.
Nelson Smiley Hastings	<i>Bradford, Pa.</i>	26 v.
Henry Ernest Haws	<i>Peekskill, N. Y.</i>	66 v.
Edward Francis Hayes	<i>Cohoes, N. Y.</i>	145 F.
Harold Wade Headley	<i>East Orange, N. J.</i>	163 F.
Roy Willet Hemingway	<i>Syracuse, N. Y.</i>	309 W.
Allen Bronson Henry	<i>North Bennington, Vt.</i>	40 v.
Arthur White Hildreth	<i>Southampton, N. Y.</i>	146 F.
James Joseph Hogan	<i>Torrington, Conn.</i>	27 v.
Willard Deere Hosford	<i>Moline, Ill.</i>	341 WH.
James Lawrence Houghteling, Jr.	<i>Winnetka, Ill.</i>	20 v.
Charles Hadlai Hull	<i>New London, Conn.</i>	57 Grove st.
Alexander Pope Humphrey, Jr.	<i>Louisville, Ky.</i>	48 v.
William Johnson Jack	<i>Indiana, Pa.</i>	1081 Chapel st.
Harold Burton Jamison	<i>Gloversville, N. Y.</i>	166 F.
Russell Dixon Janney	<i>Glen Ridge, N. J.</i>	347 WH.
Walter Morrison Jeffords	<i>Philadelphia, Pa.</i>	16 v.
Ethan Wood Judd	<i>Olean, N. Y.</i>	427 FW.
Samuel Elliot Judd	<i>Holyoke, Mass.</i>	13 v.
Irenus Prime Keith	<i>Winchester, Tenn.</i>	356 WH.
Charles Ferdinand Kerrigan	<i>Brooklyn, N. Y.</i>	436 FW.
Gilbert Kinney	<i>New Haven, Conn.</i>	3 v.
Junichiro Kinoshita, B.L. Meiji University 1889, Doshisha College 1897	<i>Tokyo, Japan</i>	925 Howard av.
Edmund Stanley Kochersperger	<i>New Haven, Conn.</i>	433 FW.
Walter Rudolph Koehler	<i>Cincinnati, O.</i>	317 W.
Elbert Squire Latimer	<i>Norwalk, O.</i>	140 Howe st.
Robinson Leech	<i>Brooklyn, N. Y.</i>	432 FW.
Edward Stephen Little	<i>St. Louis, Mo.</i>	37 v.
William Kellogg Loomis	<i>Troy, N. Y.</i>	66 v.

Benedict Edward Lyons	<i>Thomaston, Conn.</i>	145 F.
Arthur Packer McKinstry	<i>Worcester, Mass.</i>	337 WH.
Walter Eugene Marsden	<i>Johnstown, Pa.</i>	392 B.
Benjamin Heath Mead	<i>New Canaan, Conn.</i>	132 F.
Aaron Riley Merritt	<i>East Aurora, N. Y.</i>	354 WH.
Joseph Zachary Miller	<i>Belton, Texas</i>	320 W.
Alfred Keister Mills, B.A.	<i>Annaville, Pa.</i>	694 W. D.
Lebanon Valley College 1904		
John Teobaldo Monzani	<i>Waterbury, Conn.</i>	421 B.
Don Lorenzo Moore	<i>New York City</i>	406 B.
William Singer Moorhead	<i>Greensburg, Pa.</i>	464 FW.
Harry Sylvester Mullens, PH.B.	<i>New York City</i>	59 Grove st.
Wadsworth Military College 1902		
Walter Dennis Myers	<i>Marysville, Pa.</i>	414 B.
Edward John Noble	<i>Gouverneur, N. Y.</i>	13 V.
Levi Fatzinger Noble	<i>Auburn, N. Y.</i>	321 W.
Daniel Raymond Noyes	<i>St. Paul, Minn.</i>	31 V.
George Winship Nunnally, B.A.	<i>Atlanta, Ga.</i>	264 W.
University of Georgia 1904		
Herbert Paul Onasch	<i>Andover, Mass.</i>	81 S. M.
Howard Palmer	<i>Norwich, Conn.</i>	286 W.
Abel Bennett Palmerton	<i>Cannonsville, N. Y.</i>	50 V.
George Grant Parkhurst	<i>Buffalo, N. Y.</i>	108 High st.
Maurice Henry Pease	<i>New Britain, Conn.</i>	20 V.
Edward Charles Perry	<i>Honolulu, H. I.</i>	2 V.
Eugene James Phillips	<i>New Haven, Conn.</i>	451 Howard av.
Frank Brinley Porter	<i>New York City</i>	426 FW.
Warren Edward Price	<i>Los Angeles, Cal.</i>	348 WH.
Frank Stanley Rickcords	<i>Chicago, Ill.</i>	435 FW.
Arthur Werner Rinke	<i>New York City</i>	376 WH.
James Nichols Robinson	<i>Hornellsville, N. Y.</i>	445 FW.
Robert Landon Rogers	<i>Providence, R. I.</i>	297 W.
Francis Rooney, B.A.	<i>Worcester, Mass.</i>	216 D.
Amherst College 1904		
Merrill Burr Sands	<i>Newtonville, Mass.</i>	445 FW.
Robert George Sanford	<i>Island Pond, Pa.</i>	82 S. M.
Murray Sargent	<i>New Haven, Conn.</i>	43 V.
Joseph Seronde	<i>Norwalk, Conn.</i>	386 B.
Genzaburo Seshimo	<i>Gunmaken, Japan</i>	6 Trumbull st.
Waseda University 1902		
Edward Clarkson Seward, Jr.	<i>Montclair, N. J.</i>	316 W.
Paul Sheehan	<i>Buffalo, N. Y.</i>	451 FW.
Merle Lewis Sheffer	<i>Rochester, N. Y.</i>	414 B.
Harrison Tweed Sheldon	<i>New Haven, Conn.</i>	45 V.

Seth Shepard, Jr.	<i>Washington, D. C.</i>	320 W.
John Carroll Slade	<i>Kelloggsville, N. Y.</i>	54 V.
Stanley MacDonald Smith	<i>Philadelphia, Pa.</i>	336 WH.
William Thomas Snider	<i>Walden, N. Y.</i>	155 F.
Harold SooySmith	<i>Green's Farms, Conn.</i>	65 V.
Alfred Lyon Spencer	<i>Jasper, N. Y.</i>	34 Hillhouse av.
William Lord Squire	<i>Meriden, Conn.</i>	342 WH.
Carleton Hickox Stevens	<i>New Haven, Conn.</i>	166 F.
Enoch Vine Stoddard, Jr.	<i>Rochester, N. Y.</i>	315 W.
Edward Seymour Stringer	<i>St. Paul, Minn.</i>	69 V.
George Sturges	<i>Chicago, Ill.</i>	234 D.
Fred Carleton Sweinhart, B.A. Coe College 1904	<i>Sioux City, Iowa</i>	410 B.
Howard Taft	<i>Cincinnati, O.</i>	51 V.
Amos Bateman Thacher	<i>Hartford, Conn.</i>	338 WH.
Alfred Pembroke Thom, Jr.	<i>Norfolk, Va.</i>	391 B.
Carlyle Clifford Thomson	<i>West Hartford, Conn.</i>	407 B.
Charles Terhune Tileston	<i>Binghamton, N. Y.</i>	298 W.
Howell Bostwick Townsend	<i>Walton, N. Y.</i>	430 FW.
Harold McLeod Turner	<i>Brooklyn, N. Y.</i>	12 V.
Spencer Turner	<i>Brooklyn, N. Y.</i>	373 WH.
Leonard Sanford Tyler	<i>New Haven, Conn.</i>	33 College st.
William Knickerbocker Van Reypen, Jr.	<i>Washington, D. C.</i>	35 V.
Chester Burrows Van Tassel	<i>Brooklyn, N. Y.</i>	446 FW.
John Barker Waite	<i>Toledo, O.</i>	36 V.
Faron Nelson Wakefield	<i>Port Chester, N. Y.</i>	101 F.
Donald Judson Warner, 2d	<i>Salisbury, Conn.</i>	357 WH.
John Warner	<i>Wilmington, Del.</i>	341 WH.
John Ryan Washburn	<i>Oyster Bay, N. Y.</i>	279 L.
Ralph Wesley Wescott	<i>Haddonfield, N. J.</i>	467 FW.
Arthur Leonard Westcott	<i>Oneonta, N. Y.</i>	451 FW.
S. Lyon Weyburn	<i>Scranton, Penn.</i>	62 V.
Raymond Henry White	<i>New Haven, Conn.</i>	448 FW.
William Wurts White, Jr.	<i>Providence, R. I.</i>	61 V.
Cyrus French Wicker	<i>New York City</i>	41 V.
Frank Eugene Wilson	<i>Clinton, Iowa</i>	401 B.
Roger Henry Wolcott	<i>Laredo, Tex.</i>	333 York st.
Charles Wright, Jr.	<i>Detroit, Mich.</i>	42 V.
William Hogencamp Wurts	<i>Paterson, N. J.</i>	53 V.
Charlemagne Joshua Zee, B.A. William Jewell College 1904	<i>Shanghai, China</i>	177 Lawrence st.

SUMMARY

GRADUATES,	13
THIRD YEAR CLASS,	66
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FOR DEGREE OF B.C.L.,	1
SPECIAL STUDENTS,	19

REGULAR STUDENTS,					234
STUDENTS FROM OTHER DEPARTMENTS,					174
TOTAL UNDER INSTRUCTION,					408

COURSES FOR TEACHERS

Elizabeth Allen
 Mary E. Allen
 Marguerite Allys
 Sister Anselma, O.S.D.
 Eunice K. Armstead
 Georgia S. Barber
 Frances B. Barney
 May Bauman
 Frank H. Beede, B.A.
 Mary F. Berry
 Jennie T. Bowen
 Ursula H. Brainerd
 Katherine A. Brennan
 Calista S. Bristol
 Mary R. Burwell
 Ella M. Cahill
 Catharyn Callahan
 Elizabeth L. Campbell
 Alta M. Carter
 Alice W. Chase
 A. M. Chatterton
 Bessie M. Clark
 Mabel Close
 Anne E. Clune
 Mary C. Coakley
 Annie A. Condon
 Alice M. Connor
 Gertrude L. Cooper
 Mary E. Corcoran
 Mary H. F. Corwin
 Mary Cullom
 Jane H. Curran
 Susan L. Davis
 Jean Demarest
 Frank J. Diamond, Ph.D.
 Margaret L. Dibble
 Anna L. Dickerman
 Alice G. Dinnan
 Clara E. Dunham

New Haven, Conn. 516 Columbus av.
New Haven, Conn. 3 College st.
New Haven, Conn. 35 Sherland av.
New Haven, Conn. 444 Orange st.
New Haven, Conn. 85 Cottage st.
New Haven, Conn. 17 Sylvan av.
New Haven, Conn. 9 Trumbull st.
New Haven, Conn. 98 Ward st.
New Haven, Conn. 424 Temple st.
New Haven, Conn. 70 Howe st.
New Haven, Conn. 26 Washington av.
New Haven, Conn. Branford
New Haven, Conn. 248 Chapel st.
New Haven, Conn. 191 Exchange st.
New Haven, Conn. 771 Orange st.
New Haven, Conn. 220 Orange st.
New Haven, Conn. 309 Washington av.
New Haven, Conn. 64 James st.
New Haven, Conn. 38 Clark st.
Stratford, Conn. Stratford
New Haven, Conn. 174 Grand av.
New Haven, Conn. 125 High st.
New Haven, Conn. 270 Howard av.
New Haven, Conn. 221 Columbus av.
New Haven, Conn. 5 Eld st.
New Haven, Conn. 10 Sylvan av.
New Haven, Conn. 174 Lloyd st.
New Haven, Conn. 64 Atwater st.
New Haven, Conn. 29 Canner st.
New Haven, Conn. 568 Chapel st.
New Haven, Conn. 126 St. John st.
New Haven, Conn. 38 Lake pl.
New Haven, Conn. 361 George st.
New Haven, Conn. 299 Edwards st.
New Haven, Conn. 173 Whalley av.
New Haven, Conn. 43 Whalley av.
New Haven, Conn. 276 Orange st.
New Haven, Conn. 96 Broad st.
New Haven, Conn. 27 College st.

Mary E. Egan	<i>New Haven, Conn.</i>	20 Pearl st.
Nina L. Eggleston	<i>New Haven, Conn.</i>	15 Beers st.
Catherine A. Elkin	<i>New Haven, Conn.</i>	477 Prospect st.
Anna C. Farnham	<i>New Haven, Conn.</i>	238 Grand av.
Henrietta Feuchtwanger	<i>New Haven, Conn.</i>	83 Sachem st.
Alice M. Finch	<i>New Haven, Conn.</i>	230 Lloyd st.
Sarah J. Flanagan	<i>New Haven, Conn.</i>	47 Lake pl.
Carolyn Fox	<i>New Haven, Conn.</i>	131 Bradley st.
Margaret M. Fox	<i>New Haven, Conn.</i>	131 Bradley st.
Margaret I. Galbraith	<i>New Haven, Conn.</i>	157 Blatchley av.
Elizabeth E. Gessner	<i>New Haven, Conn.</i>	150 Bradley st.
Mary C. Gleeson	<i>New Haven, Conn.</i>	690 State st.
Rena Goodman	<i>New Haven, Conn.</i>	90 William st.
Charlotte Gorham	<i>New Haven, Conn.</i>	183 Wooster st.
Sister Gregory, O.S.D.	<i>New Haven, Conn.</i>	444 Orange st.
Jennie L. Griswold	<i>New Haven, Conn.</i>	29 Clinton av.
Mary S. Griswold	<i>New Haven, Conn.</i>	29 Clinton av.
Anna S. Hart	<i>New Haven, Conn.</i>	38 Howe st.
Helen M. Higgins	<i>New Haven, Conn.</i>	278 Canner st.
Daisy M. Hine	<i>New Haven, Conn.</i>	140 Edwards st.
Edith M. Hine	<i>Stratford, Conn.</i>	Stratford
Lillian Holbrook	<i>New Haven, Conn.</i>	184 Lawrence st.
Fanny Holcomb	<i>New Haven, Conn.</i>	54 Olive st.
Harry Houston	<i>New Haven, Conn.</i>	341 Sherman av.
Charlotte A. Hubbard	<i>New Haven, Conn.</i>	91 Dwight st.
Bertha L. Hunie	<i>New Haven, Conn.</i>	205 Crown st.
Catherine L. Hussey	<i>New Haven, Conn.</i>	568 Chapel st.
Frances S. Hyde	<i>New Haven, Conn.</i>	129 Howe st.
Ruth Ives	<i>New Haven, Conn.</i>	82 Pearl st.
Mary S. Jordan	<i>New Haven, Conn.</i>	131 Henry st.
Mary A. Judd	<i>New Haven, Conn.</i>	66 Nash st.
Katherine Keating	<i>New Haven, Conn.</i>	220 Orange st.
Helen N. Keefe	<i>New Haven, Conn.</i>	180 Lawrence st.
Kathleen B. Keefe	<i>New Haven, Conn.</i>	180 Lawrence st.
Anna V. Kenney	<i>New Haven, Conn.</i>	125 Ward st.
Susie B. Kinner	<i>West Haven, Conn.</i>	West Haven
Mary E. Kinsella	<i>New Haven, Conn.</i>	14 Clark st.
Grace W. Knouse	<i>New Haven, Conn.</i>	87 East Pearl st.
Junius C. Knowlton	<i>New Haven, Conn.</i>	88 Howe st.
Margaret E. Lambert	<i>New Haven, Conn.</i>	34 Clark st.
Helen Lantz	<i>New Haven, Conn.</i>	17 Brown st.
Eva A. Lee	<i>New Haven, Conn.</i>	32 Pine st.
Ada Linsley	<i>New Haven, Conn.</i>	837 Quinpiac av.

Mary L. Lockwood
 Grace E. Low
 Sarah A. Lyle
 Helen M. Lyman, B.A.
 Fannie M. Lynch
 Rose V. McCormick
 Mary A. McFarland
 Jessie A. McWilliams
 Julia A. Malcolm
 Emma Male
 Mary A. Mallahan
 Luthera A. Mansfield
 Eleanor F. Marcus
 Iva A. Mercer
 Mrs. B. S. Merryman
 Anna B. Nolan
 Georgina Norman
 Leone Norman
 Jane I. Noy
 Catherine O'Donnell
 Ruth Olmstead
 Jennie M. O'Neil
 Leila Osborne
 Antoinette E. Parlow
 Caroline A. Parsons
 Mabel G. Phelps
 Mettie B. Platt
 Josephine L. Przelomiec
 Janet M. Purdue
 Louise G. Reimann
 Alice E. Reynolds
 Nellie J. Riggs
 Nellie E. Robinson
 S. Helena Robinson
 Edith Roswell
 Ruth E. Rothchild
 Louise Schmahl
 Elizabeth Scudder
 Lily W. Sheridan
 Jeanette Sherman
 Jessie Smith
 Kate F. Smith
 Minnie H. Smith

New Haven, Conn. 98 Dwight st.
New Haven, Conn. 340 Grand av.
New Haven, Conn. 229 Congress av.
New Haven, Conn. 90 Whalley av.
New Haven, Conn. 20 Baldwin st.
New Haven, Conn. 148 Putnam st.
New Haven, Conn. 287 Willow st.
New Haven, Conn. 173 Livingston st.
New Haven, Conn. 131 Dwight st.
New Haven, Conn. 140 James st.
New Haven, Conn. 90 Asylum st.
New Haven, Conn. 87 Dwight st.
New Haven, Conn. 423 Temple st.
New Haven, Conn. 69 Howe st.
New Haven, Conn. 45 Sherland av.
New Haven, Conn. 59 Kimberly av.
New Haven, Conn. 46 Avon st.
New Haven, Conn. 57 Kensington st.
New Haven, Conn. 109 Ellsworth av.
New Haven, Conn. 220 Davenport av.
New Haven, Conn. 1239 Chapel st.
Waterbury, Conn. Waterbury
New Haven, Conn. 260 Edgewood av.
New Haven, Conn. 102 Liberty st.
New Haven, Conn. 196 Blatchley av.
New Haven, Conn. 90 Exchange st.
New Haven, Conn. 1194 Chapel st.
New Haven, Conn. 199 Foster st.
New Haven, Conn. 24 Orchard st.
New Haven, Conn. 113 Lawrence st.
West Haven, Conn. West Haven
New Haven, Conn. 252 Orchard st.
Montowese, Conn. Montowese
New Haven, Conn. 811 Orange st.
Stratford, Conn. Stratford
New Haven, Conn. 84 Lyon st.
New Haven, Conn. 965 State st.
New Haven, Conn. 917 Howard av.
New Haven, Conn. 519 Orange st.
New Haven, Conn. 66 Gilbert av.
New Haven, Conn. 57 S. Water st.
New Haven, Conn. 339 George st.
West Haven, Conn. West Haven

Ada T. Somers
Jeannette E. Studley
Nora A. Sweeney
Emma L. Tyler
Arline B. Walton
Jennie M. Waugh
M. Rachel Webster

New Haven, Conn. 218 Goffe st.
New Haven, Conn. 568 Chapel st.
New Haven, Conn. 85 Sachem st.
New Haven, Conn. 1010 Quinpiac av.
New Haven, Conn. 109 Ellsworth av.
New Haven, Conn. 917 Howard av.
New Haven, Conn. 38 Howe st.

COURSES FOR TEACHERS, 132

GENERAL SUMMARY

OFFICERS

PROFESSORS, including other University Officers	-	110
ASSISTANT PROFESSORS	- - -	42
INSTRUCTORS, including Tutors, Lecturers, etc.	-	137
ASSISTANTS IN INSTRUCTION	- - -	48
ASSISTANTS IN ADMINISTRATION	- - -	54

Total 391

*STUDENTS

DEPARTMENT OF PHILOSOPHY AND THE ARTS :

GRADUATE SCHOOL	- - -	353	353
YALE COLLEGE	- - -	1275	1275
SHEFFIELD SCIENTIFIC SCHOOL	-	871	1040
SCHOOL OF THE FINE ARTS	- -	39	414
DEPARTMENT OF MUSIC	- -	89	164
FOREST SCHOOL	- - -	63	88
		2690	
YALE DIVINITY SCHOOL	- - -	96	96
YALE MEDICAL SCHOOL	- - -	139	139
YALE LAW SCHOOL	- - -	234	234

3159

Deduct for names inserted twice - †167

TOTAL UNIVERSITY REGISTRATION	-	2992
SUMMER SCHOOL OF FORESTRY	- -	18
COURSES FOR TEACHERS	- -	132

3142

Deduct for Summer School students
enrolled in other Departments

4

TOTAL RECEIVING INSTRUCTION - 3138

*The first column gives the regular enrollment, the second column the total number of students receiving instruction. The latter is added to show the character and extent of inter-departmental coöperation.

† Of these 95 are students in the Graduate School also enrolled as Sheffield Graduate Students.

SUMMARY OF STUDENTS

BY STATES

Alabama	9	Montana	3
Arkansas	2	Nebraska	8
California	21	New Hampshire	9
Colorado	26	New Jersey	108
Connecticut	1010	New York	582
Delaware	8	North Carolina	9
District of Columbia	26	North Dakota	2
Florida	6	Ohio	120
Georgia	11	Oklahoma	1
Hawaii	11	Oregon	10
Idaho	1	Pennsylvania	194
Illinois	140	Philippine Islands	5
Indiana	36	Rhode Island	24
Indian Territory	1	South Carolina	12
Iowa	32	South Dakota	3
Kansas	21	Tennessee	19
Kentucky	24	Texas	12
Louisiana	9	Utah	7
Maine	23	Vermont	15
Maryland	15	Virginia	8
Massachusetts	168	Washington	8
Michigan	35	West Virginia	7
Minnesota	40	Wisconsin	19
Mississippi	3	Wyoming	2
Missouri	52		

Argentina	1	France	2
Asia Minor	6	Greece	1
Australia	2	India	1
Brazil	1	Japan	19
Canada	30	Macedonia	2
Cape Colony	1	Mauritius	1
China	6	New Zealand	1
Cuba	1	Sweden	2
England	2	Turkey	4

SUMMARY OF STUDENTS BY CITIES

[Cities represented by five or more students only are mentioned.]

Albany	15	Newark	8
Allegheny	7	New Britain	18
Andover	5	New Haven	405
Ansonia	16	New London	11
Auburn	20	New Orleans	5
Baltimore	9	New York	213
Boston	8	Norwalk	7
Branford	8	Norwich	18
Bridgeport	56	Olean	5
Brooklyn	72	Orange	5
Buffalo	36	Paterson	6
Cambridge	6	Philadelphia	27
Chicago	91	Pittsburg	32
Cincinnati	21	Plainfield	9
Cleveland	41	Portland (Ore.)	7
Columbus	7	Providence	13
Danbury	5	Rochester	15
Dayton	6	St. Louis	26
Denver	23	St. Paul	19
Derby	21	Salt Lake City	6
Detroit	15	Savannah	5
East Orange	6	Scranton	17
Evanston	12	Shelton	9
Gloversville	10	Springfield (Mass.)	10
Grand Rapids	7	Stamford	9
Greenwich	5	Syracuse	13
Hartford	77	Thompsonville	6
Holyoke	7	Tokyo (Japan)	11
Honolulu	9	Toledo	5
Indianapolis	12	Torrington	9
Kansas City	18	Wallingford	15
Lake Forest	5	Washington	26
Lindsborg	6	Waterbury	31
Louisville	9	Westfield	7
Meriden	19	West Haven	19
Milwaukee	6	Wilkes-Barré	6
Minneapolis	14	Willimantic	7
Montclair	15	Winsted	1
Morristown	13	Worcester	8
Nashville	8	Yonkers	10
Naugatuck	11		

SUMMARY OF STUDENTS

BY DEGREES REPRESENTED

Acadia University . . .	9	Cornell University . . .	4
Adelphi College . . .	1	Dartmouth College' . . .	7
Adrian College . . .	1	Denison University . . .	2
Albion College . . .	2	Dickinson College . . .	1
Alessandro Maryoni's Lyceum	1	Doane College . . .	1
Amherst College . . .	12	Doshisha College . . .	1
Anatolia College . . .	2	Drake University . . .	5
Ateneo de Manila . . .	1	Drury College . . .	2
Augsburg Seminary . . .	1	Earlham College . . .	2
Augustana College . . .	3	Elon College . . .	1
Bates College . . .	5	Emory College . . .	3
Baylor University . . .	3	Fisk University . . .	3
Beloit College . . .	4	Florida State College . . .	2
Bethany College (Kans.) . .	11	Franklin and Marshall	
Bethany College (W. Va.)	3	College . . .	4
Blackburn College . . .	2	French-American College	1
Boston University . . .	5	Georgetown University . .	1
Bowdoin College . . .	1	Gettysburg College . . .	2
Brown University . . .	9	Grant College . . .	2
Bryn Mawr . . .	2	Gregorian University (Rome)	1
Bucknell University . . .	1	Grove City College . . .	1
Butler College . . .	2	Hamilton College . . .	1
Carleton College . . .	2	Harvard University . . .	15
Central College . . .	1	Hiram College . . .	1
Cheshunt College . . .	1	Howard University . . .	1
Chicago University . . .	6	Illinois Wesleyan Univer-	
Christian University (Mo.)	1	sity . . .	1
Coe College . . .	2	Iowa College . . .	1
Colby College . . .	1	Japanese Peers College . .	2
Colgate University . . .	2	Johns Hopkins University	1
College of Charleston, S. C.	2	Kansas State Agricultural	
College of Emporia . . .	1	College . . .	2
College of the City of N. Y.	2	Keiogijiku University . . .	2
Colorado College . . .	1	Kentucky Military Institute	1
Columbia University . . .	5	Kentucky University . . .	2

Kenyon College . . .	2	Roanoke College . . .	1
Knox College . . .	1	Royal Institute of Tech- nology, Stockholm . .	1
Lafayette College . .	1	Rutgers College . . .	2
Laval University . . .	1	St. John's College . . .	1
Lebanon Valley College .	4	St. Joseph's College . .	1
Lehigh University . . .	1	St. Paul's Institute . .	3
Leland Stanford, Jr. Uni- versity	3	Simpson College . . .	1
Lincoln University . . .	1	Smith College	2
Lutheran Theological Semi- nary	2	South Dakota Agricultural College	1
Massachusetts Institute of Technology	2	State University of Iowa .	4
McMaster University . .	1	Syracuse University . . .	2
Meiji University	2	Talladega College	4
Michigan Agricultural Col- lege	2	Tarkio College	1
Missouri Valley College .	3	Tientsin University . . .	1
Moravian College	1	Tokio English Law School	1
Mt. Holyoke College . . .	5	Tokio Imperial University	1
Mt. St. Mary's College . .	2	Tokyo Semmon Gakko . .	1
Muhlenberg College . . .	1	Trinity College (N. C.) .	1
Nanyang College	1	Trinity College, Toronto .	1
National Normal Univer- sity	1	Tufts College	1
Newberry College	2	Tulane University	1
Newton Theological Sem- inary	1	Union Theological Semi- nary	1
New York Law School . . .	2	Union College	1
New York University . . .	1	Union University	1
North Indiana University .	1	University of Barcelona .	1
Northwestern University .	2	University of California .	7
Nya Elementarskolan, Stockholm	1	University of the Cape of Good Hope	1
Oberlin College	4	University of Colorado . .	1
Ohio State University . . .	2	University of Georgia . . .	3
Olivet College	3	University of Glasgow . .	1
Otterbein University . . .	3	University of Illinois . . .	2
Pennsylvania State Col- lege	1	University of Indiana . . .	1
Princeton University . . .	6	University of Kansas . . .	4
Queen's College	2	University of Maine	1
Radcliffe College	1	University of Michigan . .	5
Rhode Island State College	2	University of Minnesota . .	5
		University of Missouri . .	3
		University of Nebraska . .	1
		University of New Brunswick	3
		University of New Zealand	1

University of North Carolina	2	Vanderbilt University	2
University of North Dakota	1	Wadsworth Military College	1
University of Oklahoma	1	Waseda University	4
University of Oregon	4	Wellesley College	6
University of Pennsylvania	3	Wesleyan University	10
University of Rochester	3	Western Reserve University	2
University of San Tomas	2	West Virginia University	2
University of Toronto	5	Whitman College	1
University of Vermont	1	William Jewell College	1
University of Washington	1	Williams College	2
University of Wooster	3	Yale University	293
Upsala University	1	Yankton College	1

DIRECTORY

The name of every officer is printed in *italics* and is followed by a reference to the page on which the name occurs in the List of Officers. When more than one page is mentioned the reference is to the page, or pages, on which the courses given by the officer are described.

The following abbreviations are used :

A., Absent on leave; B., Berkeley Hall; B. L., Sheffield Biological Laboratory; B. M. H., Byers Memorial Hall; D., Durfee Hall; E. D., East Divinity Hall; F., Farnam Hall; FW., Fayerweather Hall; GYM., Gymnasium; K., Kirtland Hall; L., Lawrance Hall; L. H., Lampson Hall; M., Peabody Museum; N. S. H., North Sheffield Hall; O., Osborn Hall; P., Pierson Hall; S. H., Sheffield Hall; S. L., Sheffield Chemical Laboratory; V., Vanderbilt Hall; V-S., Vanderbilt-Scientific Hall; W., Welch Hall; W. D., West Divinity Hall; WH., White Hall; WINCH., Winchester Hall; WOOD., Woodbridge Hall.

The names of students are followed by the designations of their several classes (Grad., Graduate; Sr., Senior; Mid., Middle; Jr., Junior; 2, Second Year; 1, First Year; So., Sophomore; Fr., Freshman; Spec., Special); the names of students have appended also an indication of the Department to which each belongs, viz.: *a*, Academical Department; *d*, Divinity School; *f*, School of the Fine Arts; *for.*, Forest School; *g*, Graduate School; *l*, Law School; *m*, Medical School; *mus.*, Department of Music; *s*, Sheffield Scientific School; *s for.*, Summer School of Forestry; *t*, Courses for Teachers.

Aaronson, A., 3 <i>l</i>	530 Congress av.	Adelman, L. F., 2 <i>l</i>	276 Orange st.
Abbe, A. P., Fr. <i>a</i>	572 P.	Adler, S., Sr. <i>s</i>	114 High st.
Abbe, H. A., Sr. <i>s</i>	146 v-s.	Adriance, W. M., <i>g</i>	119 Wall st.
Abbe, L. N., Fr. <i>s</i>	409 Temple st.	Ady, J. W., Jr., <i>s</i>	125 High st.
Abbott, A. R., Sr. <i>a</i>	158 P.	Agnew, R. R., 1 <i>m</i>	27 Pearl st.
Abbott, G. W., So. <i>a</i>	240 D.	Ahlstrom, D. N., 2 <i>m</i>	141 York st.
Abbott, R., Fr. <i>a</i>	237 York st.	Aimes, H. H. S., <i>g</i>	267 Orange st.
Abel, A. H., <i>g</i>	721 Elm st.	Albee, M. H., <i>g</i>	356 Howard av.
Abrams, F. D., Fr. <i>a</i>	129 P.	Alcott, C. B., Sr. <i>s</i>	111 Grove st.
Achelis, F. G., So. <i>a</i>	22 College st.	Alden, G. H. W., Jr. <i>a</i>	1076 Chapel st.
Achelis, T., Fr. <i>a</i>	242 York st.	Aldinger, F. C., <i>g</i> , Mid. <i>d</i>	
Ackert, F., Sr. <i>a</i>	32 v.		14 Whalley av.
Adams, A., <i>g</i>	124 Park st.	Aldrich, C. R., <i>g</i>	A.
Adams, F. L., Sr. <i>a</i>	465 FW.	Aldrich, R. S., So. <i>a</i>	293 W.
Adams, F. M., Jr. <i>m</i>	141 York st.	Alegre, J. B., 1 <i>l</i>	126 Wall st.
Adams, G. B., Prof. (pp. 20, 141, 144, 299)	57 Edgehill road	Alexander, H. G., Sr. <i>s</i>	145 v-s.
Adams, G. M., So. <i>a</i>	236 Crown st.	Alexander, W. H., Sr. <i>d</i>	74 Lake pl.
Adams, J. C., Instr. (pp. 28, 115, 117)	75 Mansfield st.	Alker, H. A., Fr. <i>s</i>	110 Wall st.
Adams, M. H., Priv. Sec'y. (p. 39)		Allen, C. M., Fr. <i>a</i>	38 Lynwood pl.
(135 Elm st.)	15 Brown st.	Allen, E., <i>t</i>	516 Columbus av.
Adams, S. E., <i>mus.</i>	Bridgeport	Allen, F. G., <i>mus.</i>	Terryville
Addison, W. H., Jr. <i>for.</i>		Allen, H. T., Sr. <i>a</i>	49 v.
Addoms, M. C., Jr. <i>a</i>	439 FW.	Allen, M. E., <i>t</i>	3 College st.
		Allen, W. S., Jr. <i>s</i>	82 Wall st.
		Alling, A. N., Prof. (p. 23)	199 Yorkst.

- Alling, R. E., Fr. *s* 411 Temple st.
 Allison, J. H., Sr. *s* 27 College st.
 Allys, M., *t* 35 Sherland av.
 Alofsin, H., 2d, Fr. *a* 79 Broad st.
 Alofsin, L. M., 2 *m* 14 Gold st.
 Alpert, D. J., 1 *l* 75 York st.
 Alpert, S., Fr. *a* 96 Washington av.
 Alsop, R. D., Sr. *s* 120 College st.
 Altschul, F., Fr. *a* 231 York st.
 Aluli, N. W., Grad. *l* 373 Crown st.
 Alvord, D. F., Fr. *a* 382 W.H.
 Amerman, G. L., Registrar (p. 25)
 (1 s. H.) 257 St. Ronan st.
 Ames, F. E., Jr. *for.* 94 Division st.
 Ames, J. Q., 1 *l* 267 Orange st.
 Anamosa, G. W., Grad. *l* 801 Orange st.
 Anderson, E. A., Jr. *a* 356 W.H.
 Anderson, E. E., *mus.* 156 Fillmore st.
 Anderson, Mrs. E. M., Matron
 (p. 39) 276 Prospect st.
 Anderson, G. E., So. *a* 27 College st.
 Anderson, J., Fellow Waterbury
 Anderson, L., *g* 310 York st.
 Anderson, R. H., Jr. *a* 162 F.
 Anderson, R. M., Jr. *a* 367 W.H.
 Anderson, T. B., Sr. *a* 355 W.H.
 Anderson, W. G., Director (pp. 25,
 514) (GYMN.) 1187 Chapel st.
 Anderson, W. L., Ass't. (p. 36)
 1187 Chapel st.
 Andrew, A. G., Jr. *s* 128 High st.
 Andrew, A. M., Jr. *s* Orange
 Andrew, I. A., *g* Orange
 Andrews, A. W., Jr. *a* 429 F.W.
 Andrews, C. E., Jr. *a* 374 W.H.
 Andrews, F. W., Jr. *s* 84 Dwight st.
 Andrews, H. F., Jr. *s* 109 v-s.
 Andrews, L. H., Fr. *s* 397 Temple st.
 Andrews, W. M., Fr. *a* 238 York st.
 Andrus, M., *mus.* 651 George st.
 Anquillare, J. T., 2 *l* 337 Orange st.
 Anselma, Sister, *t* 444 Orange st.
 Arbuckle, A. M., *g* 33 Howard av.
 Architect, L. V., So. *a* 131 F.
 Arms, G. T., Jr. *a* 446 F.W.
 Armstead, E. K., *t* 85 Cottage st.
 Armstrong, H. W., Sr. *a* 435 F.W.
 Armstrong, L. E., Jr. *s* 104 v-s.
 Armstrong, N., Sr. *s* 120 College st.
 Armstrong, W. P., Jr. *a* 352 W.H.
 Arnold, Edgar H., Fr. *a* 274 L.
 Arnold, Ernst H., Instr. (p. 28)
 46 York sq.
 Arnold, F., *g* 70 Howe st.
 Arnold, G. S., Ass't. (p. 36)
 24 Dwight st.
 Arnold, M. K., Accountant (p. 39)
 65 Bristol st.
 Arnstein, H. N., Sr. *a* 18 v.
 Arvine, W. B., 2 *l* 1169 Chapel st.
 Ashley, R. H., Ass't. (p. 36)
 102 York sq.
 Asiel, N. I., So. *a* 43 College st.
 Aston, A., Sr. *a* 456 F.W.
 Atchison, F. C., Jr. *m*
 Atha, L. M., Sr. *a* 59 v.
 Atkins, W., Jr., Jr. *s* 96 Wall st.
 Atwater, H. H., Sr. *a* 145 Franklin st.
 Auchincloss, G., Fr. *a* 203 York st.
 Auchincloss, J. C., Fr. *a* 203 York st.
 Auchincloss, J. H., Fr. *a* 203 York st.
 Augur, H. B., *g* A.
 Averill, E. L., 3 *l* 381 Lenox st.
 Avey, A. E., Fr. *a* 143 F.
 Avis, S. W., Jr. *s* 54 Division st.
 Avitabile, A. L., 1 *m* 10 Franklin st.
 Ayers, J. E., Jr. *a* 438 F.W.
 Babcock, T., 1 *l* 293 York st.
 Bacon, B. W., Prof. (pp. 22, 101, 310,
 405, 515) (605 E. D.)
 244 Edwards st.
 Bacon, F., Lect. (p. 28) 32 High st.
 Bacon, F. D., Jr. *for.* 25 Whalley av.
 Bacon, L. W., Jr., Instr. (p. 28)
 294 Elm st.
 Bacon, W. T., Jr. *a* 295 w.
 Bagg, E. P., Jr., So. *a* 22 College st.
 Bailey, A. J., 2 *l* 159 Elm st.
 Bailey, E. M., Jr. *g* 297 York st.
 Bailey, H. E., Jr. *s* Derby
 Bailey, M., Instr. (p. 28)
 (150 F.) 442 Temple st.
 Bailey, R. T., Sr. *s* 17 Hillhouse av.
 Bailey, W. B., Ass't. Prof. (pp. 25,
 146, 149, 296, 413) 22 Lynwood pl.
 Baker, A. S., *g* 92 Park st.
 Baker, A. W., Jr. *d* 708 w. d.
 Baker, C. M., Fr. *s* 110 Wall st.
 Baker, E. L., Fr. *a* 218 d.
 Baker, G. M., Instr. (pp. 28, 108)
 107 York st.
 Baker, H. B., Fr. *a* 44 Elm st.
 Baker, H. D., Jr. *s* 111 Grove st.
 Baker, J. A., Fr. *s* 110 Wall st.
 Baker, J. F., Sr. *for.* 115 Division st.
 Baker, L. W., Fr. *s* 70 Trumbull st.

- Bakewell, D. C., Fr. *a* 380 WH.
 Balcom, F. O., Sr. *m* 71 Henry st.
 Baldwin, C. H., Jr. *s* Milford
Baldwin, C. S., Ass't. Prof. (pp. 25, 113, 513) (15 WH.) 57 Wall st.
 Baldwin, G. H., Sr. *s* 133 College st.
 Baldwin, H. G., Fr. *s* 299 Whalley av.
 Baldwin, M. S., Sr. *s* 111 Grove st.
 Baldwin, O., Fr. *s* 391 Temple st.
 Baldwin, R. A., Fr. *a* 581 P.
 Baldwin, S., Fr. *a* 555 P.
 Baldwin, S. A., Fr. *a* 250 York st.
Baldwin, S. E., Prof. (pp. 18, 147, 298, 476, 479, 486) (69 Church st.) 44 Wall st.
 Baldwin, S. W., 2 *l* 685 W. D.
 Ballard, C. T., Jr., Fr. *s* 419 Temple st.
 Ballard, E. S., So. *a* 250 Crown st.
 Bamberger, L. E., Sr. *a* 22 V.
Bancroft, C. K., Instr. (pp. 28, 91) 213 D.
 Bancroft, J. A., *g* 569 P.
 Banks, C. H., Jr. *a* 432 FW.
 Banks, D. N., Fr. *s* 379 Temple st.
 Banks, M. S., Fr. *a* 600 P.
 Bannard, W. N., Jr., Jr. *s* 133 College st.
 Barber, E. J., Sr. *a* 425 FW.
 Barber, G. S., *t* 17 Sylvan av.
 Barber, K. G., *g* 136 Division st.
 Barber, W. M., Sr. *s* 153 V-S.
 Barclay, J. T., *g* 109 York st.
 Bardwell, R. D., Fr. *s* 90 Wall st.
 Barkalow, D., Fr. *s* 86 Wall st.
 Barlow, W. M., Sr. *a* 430 FW.
 Barnes, A. D., Spec. *s* 1058 Townsend av.
 Barnes, C. A., 2 *l* 226 York st.
Barnes, H. A., Sup't. (p. 39) (rear HERRICK HALL) 80 Admiral st.
 Barnes, H. E., Fr. *a* 26 Lynwood pl.
 Barnes, W. D., Jr., So. *a* 22 College st.
Barnes, W. S., Ass't. (p. 36) 526 Howard av.
 Barney, F. B., *t* 9 Trumbull st.
Barney, S. E., Ass't. Prof. (pp. 25, 212, 217, 230, 241, 352, 387) 346 Whitney av.
 Barnum, E. M., Fr. *a* 543 P.
Barnum, T. R., Ass't. (p. 39) (WOOD.) 344 Humphrey st.
 Barr, L. A., Sr. *a* 412 B.
- Barradale, E. M., So. *a* 140 F.
Barrell, J., Ass't. Prof. (pp. 25, 128, 342) 173 Edwards st.
Barrett, L. J., Machinist (p. 39) North Haven
 Barrett, R. A., Jr. *s* 105 V-S.
 Barrows, A. S., Jr. *a* 394 B.
 Barrows, D. N., Fr. *a* 250 York st.
 Barrows, M. E., *g* 84 Wall st.
 Barry, J. C., Fr. *a* 562 P.
 Barstow, E. H., So. *a* 22 College st.
 Bartholomew, M. M., Fr. *s* 395 Temple st.
Bartlett, C. J., Prof. (p. 24) 96 Sherman av.
 Bartlett, H. M., Jr. *a* 294 W.
 Bartlett, P. C. K., Fr. *a* 537 P.
 Bartlett, W. D., Sr. *a* 67 V.
 Barton, J. E., Sr. *for.* 710 W. D.
 Barton, L. C., Jr. *a* 449 FW.
Bassett, S. E., Tutor (pp. 28, 94, 96, 315) 168 Sheffield av.
 Bateman, E., Jr. *s* 104 V-S.
 Bates, C. W., Sr. *s* 114 High st.
 Bates, H. I., 1 *l* 200 Orange st.
 Bauby, F. C., 2 *l* Waterbury
 Baum, R. T., Fr. *s* 86 Wall st.
 Bauman, L. H., Spec. *l*
 Bauman, M., *t* 98 Ward st.
Baur, P. V. C., Tutor (pp. 28, 97, 320) 246 Church st.
 Baxter, F. L., Fr. *s* 421 Temple st.
 Baxter, H., Sr. *a* 43 V.
 Baxter, W., Jr., Jr. *a* 317 W.
 Beach, C., So. *a* 43 College st.
 Beach, C. T., Sr. *m* 342 George st.
Beach, F. E., Ass't. Prof. (p. 25) 44 Lyon st.
 Beach, F. H., Jr. *a* 353 WH.
Beach, J. K., Lect. (pp. 28, 482) 450 Temple st.
 Beadleston, C. P., Fr. *a* 242 York st.
 Beal, H., Jr. *a* 298 W.
Beard, A. F., Fellow Norwalk
 Beard, G. H., *g*, Spec. *d* 624 E. D.
 Beard, M. L., So. *a* 251 Crown st.
 Beard, S. D., Fr. *s* 59 Grove st.
 Beardslee, R. A., Sr. *a* 425 FW.
 Beardsley, C. R., Sr. *s* 101 Lake pl.
 Beardsley, H. S., Fr. *a* 242 York st.
 Becker, F. G., Jr. *s* 125 High st.
 Beckmann, H. C., Jr. *s* 114 High st.
 Bedell, I. D., Jr. *s* 128 High st.
 Beebe, R., Fr. *a* 559 P.

- Beebe, W., Prof.* (pp. 20, 120, 122, 349) 262 Bradley st.
Beecher, G. L., Jr. s 315 Edgewood av.
Beecher, H. K., Jr. s 82 Wall st.
Beecher, L. T., mus. 359 Edgewood av.
Beede, F. H., t 424 Temple st.
Beedy, C. L., 2 l 36 Elm st.
Beers, E. L., mus. Bridgeport
Beers, E. S., f Bridgeport
Beers, G. E., Ass't. Prof. (pp. 25, 477, 480, 483, 485) (15 HENDRIE HALL) 42 Church st.
Beers, G. M., Clerk (p. 39) (3 S. H.) 130 Cottage st.
Beers, H. A., Prof. (pp. 19, 116, 119, 330, 512) 25 Vernon st.
Beers, R. T., 1 l Bridgeport
Behr, K. H., Jr. s 1 Hillhouse av.
Behr, M. H., Sr. s 131 Grove st.
Beinecke, E. J., So. a 43 College st.
Belknap, W. B., Fr. a 250 York st.
Bell, A. T., Jr. s 101 v-s.
Bell, D. J. A., So. a 1076 Chapel st.
Bell, H. F., Sr. d 608 E. D.
Bellis, H. D., Ass't. (p. 36) 1187 Chapel st.
Bendheim, E., So. a 212 D.
Benedict, J. St. J., Fr. s 25 Maple st.
Benét, W. R., Fr. s 6 B. M. H.
Benham, A. R., g 119 Park st.
Benjamin, D. F., Fr. s 14 Lyon st.
Benjamin, G. G., Ass't. (p. 36) 387 Temple st.
Bennett, D. V., Fr. a 310 Elm st.
Bennett, F. O., Fr. s 150 Grove st.
Bennett, H. R., Jr. s 104 Wall st.
Bennett, J. J., 3 l 159 York st.
Bennett, M. E., f 357 Elm st.
Bennett, M. J., Fr. s 11 B. M. H.
Bennett, R. B., Jr. a 131 F.
Bennett, S. A., g 72 Edgewood av.
Bennett, T. G., Trustee S. S. S. (p. 181) 423 Prospect st.
Bennetto, E., Jr., Fr. a Stratford
Bent, W. W., 3 l 159 Elm st.
Bentley, J., Jr., Jr. for. 42 Lake pl.
Bentley, J. E., Sr. a 462 Fw.
Benton, C. V., Fr. s 105 v-s.
Berard, S. J., Spec. s 133 Bradley st.
Berdan, J. M., Instr. (pp. 28, 113) 681 Orange st.
Berg, H. B., 1 l 61 Water st.
Berger, G. R. B., Fr. a 242 York st.
Bergeron, M. L., g 124 Park st.
Bergh, L. O., Jr. a 342 W. H.
Berkey, G. P., Jr. s 126 v-s.
Berman, B., g 41 Broad st.
Berman, L., Fr. s 63 York st.
Bernstein, A., 1 m 81 York st.
Bernstein, P. N., 2 l 795 Grand av.
Berry, M. F., g, f, t 70 Howe st.
Berry, W. T., Jr. s 137 College st.
Betcher, C. E., Fr. s 427 Temple st.
Bettcher, C. W., Fr. s 421 Temple st.
Betts, J. M., 3 l 126 Wall st.
Bibb, J. L., Jr. s 88 Wall st.
Biddle, E. M., Jr. a 308 W.
Bidwell, C. H., Sr. a 94 S. M.
Bidwell, E. H., s for. A.
Bierkan, A. T., Instr. (pp. 28, 478) (42 Church st.) 138 Lawrence st.
Bigelow, B. B., g 42 Lake pl.
Biglow, L. H., 3d, Fr. a 237 York st.
Bigwood, D. E., Fr. s 364 W. H.
Bill, A. H., g A.
Bill, E. G., Sr. a 47 Lake pl.
Billings, C. K., Jr., Fr. s 67 Trumbull st.
Billings, O. J., Sr. d 690 W. D.
Bingham, S. D., Jr., g, mus. 685 W. D.
Binn, H. L., Jr. s 1 Hillhouse av.
Binnian, W. B., Fr. s 150 Grove st.
Bishop, A. L., Instr. (p. 28) 120 York st.
Bishop, F. C., Instr. (p. 28) 1223 Chapel st.
Bishop, H. F., So. a 172 F.
Bishop, L. B., Instr. (p. 28) 356 Orange st.
Bissell, A. D., Jr., Jr. a 416 B.
Bissell, C. H., Fr. a 571 P.
Bissell, K. McL., So. a 268 L.
Bissell, W. S., Fr. a 591 P.
Bitner, J. F., g, Jr. for. 42 Lake pl.
Black, J. C., Fr. a 381 W. H.
Black, J. E., 1 m 120 York st.
Blackman, A. W., Sr. a 41 v.
Blair, W. M., So. a 22 College st.
Blake, E. M., Jr. m 120 York st.
Blakeslee, H. L., Fr. s 421 Temple st.
Blatchley, C. A., Jr. s 219 Blatchley av.
Blatchley, K. E., mus. 219 Blatchley av.
Blinn, L. H., Fr. s 184 Blatchley av.
Blomfield, E. A., Sr. d 625 E. D.

- Bloomer, J. R., Sr. *a* 437 FW.
 Blyth, W. C., So. *a* 236 Crown st.
 Boardman, B., Sr. *a* 4 v.
Boardman, F. C., Instr. (p. 28)
 257 Crown st.
 Boardman, K., Jr. *a* 383 B.
 Boardman, P. W., So. *a* 22 College st.
 Boardman, W. J. Jr., Fr. *s*
 389 Temple st.
 Bock, F. C., *mus.*, *f* 158 F.
 Bodley, G. H., 2 *m* 371 Crown st.
 Bodman, G. M., Sr. *a* 5 v.
 Bodman, H. L., Sr. *a* 5 v.
 Boggs, T. H., Sr. *a* 47 Lake pl.
 Boisen, A. T., Sr. *for.* 23 Lynwood pl.
 Boland, F. E., Grad. *l* 333 York st.
 Bollmann, F. E., 3 *l* 40 Sylvan av.
 Bonander, H. E., *mus.*
 167 Lombard st.
 Bonee, J. L., 3 *l* 333 York st.
 Booth, G. A., Jr., Jr. *s* 29 Wall st.
 Boothe, L. S., Fr. *a* 159 York st.
 Borden, J., Jr. *a* 234 D.
 Borup, G., So. *a* 260 Crown st.
 Bostwick, A. L., Fr. *a* 231 York st.
 Bostwick, F. B., Fr. *s*
 220 Lawrence st.
Bostwick, T. A., Ass't. (p. 39)
 (9 M.) 43 Livingston st.
 Boswell, R. H., Fr. *a* 272 L.
 Bosworth, R. S., Fr. *a* 168 F.
 Bothwell, H. S., Fr. *s* 104 Wall st.
 Boulton, H., So. *a* 250 Crown st.
Bourne, E. G., Prof. (pp. 22, 143, 299,
 302, 513) 73 Mansfield st.
 Bouscaren, T. L., Jr. *a* 293 w.
 Bowe, T. J., Spec. *l* 143 York st.
 Bowen, G. O., *mus.* Stamford
 Bowen, J. T., *t* 26 Washington av.
 Bower, J. G., Jr. *s* 1 Hillhouse av.
Bowers, E. A., Lect. (p. 29)
 209 Crown st.
 Bowers, K. S., *f* 209 Crown st.
 Bowman, E. F., So. *a*
 46 Edgewood av.
 Bowman, M. H., Jr., Sr. *s*
 133 College st.
 Boyd, C. O., 1 *l* 63 Edwards st.
 Boyle, R. J., 1 *m* 974 State st.
 Boynton, N. M., *mus.* Branford
 Bradford, A. H., Sr. *a* 55 v.
 Bradley, F. H., Fr. *s* 64 Nash st.
Bradley, H. C., Ass't. (p. 36)
 2 Hillhouse av.
 Bradley, J. S., Fr. *a* 242 York st.
 Bradley, L. J., *f* 179 Main st.
 Bradley, M. H., *mus.* 264 Exchange st.
Bradley, W. M., Ass't. (p. 36)
 1346 Chapel st.
 Brady, J. E., Jr. *m* 591 Elm st.
 Bragg, C. S., Fr. *a* 248 York st.
 Brainard, N. D., Jr. *s* Branford
 Brainerd, U. H., *t* Branford
 Brand, A., Jr. *a* 234 D.
 Brandelle, D. W., *g* 855 State st.
 Brandon, J. R., Jr. *a*
 Box 738 Yale Station
 Brandt, O., Jr., *s for.* A.
 Brann, M. A., *g* Hartford
Brastow, L. O., Prof. (pp. 18, 411)
 (601 E. D.) 146 Cottage st.
 Braun, G. P., Jr., So. *a* 22 College st.
 Brautlecht, C. A., Jr. *s* 130 Front st.
 Breaker, C. H., So. *a* 91 S. M.
 Breese, A., Jr., Fr. *a* 700 W. D.
 Brennan, K. A., *t* 248 Chapel st.
 Brennan, P. J., Jr. *m* 184 Crown st.
 Brereton, A. L., *f* 8 Baldwin pl.
 Brett, A., *mus* 77 Woolsey st.
 Breul, A. C., Jr. *a* 285 W.
 Brewer, C., Sr. *a* 20 v.
 Brewer, E. A., Fr. *s* 395 Temple st.
 Brewer, H. F., *g* 61 Trumbull st.
 Brewer, R. L., Fr. *s* 395 Temple st.
Brewer, W. H., Prof. (pp. 18, 385,
 396) 418 Orange st.
 Bridgett, F. E., Fr. *a* Wallingford
 Briggs, C. J., So. *a* 27 College st.
 Briggs, W. T., Sr. *a* 49 v.
 Brigham, E. D., Jr., Fr. *s* 102 v-s.
 Brinsmade, J. Beardsley, Sr. *a* 2 v.
 Brinsmade, J. Beebe, Jr. *a* 375 W. H.
 Brisebois, A. T., *mus.* Derby
Bristol, A. L., Clerk (p. 39)
 (WOOD.) 191 Exchange st.
 Bristol, C. S., *t* 191 Exchange st.
 Bristol, E. M., So. *a* 254 Crown st.
Bristol, H. S., Ass't. (p. 28) 162 S. L.
 Bristol, R., *g* A.
Britton, W. E., Lect. (pp. 29, 384)
 296 McKinley av.
 Broderick, T. F., Jr., 1 *m*
 57 Prospect st.
 Brodie, G. D., 2 *l* 122 Wall st.
 Bromer, R. S., Fr. *a* 529 P.
 Brooks, C. K., Jr. *a* 343 W. H.
 Brooks, E. L., Sr. *a* 8 v.
 Brooks, H., Fr. *a* 250 York st.

- Brooks, P. A., 2 l 36 Elm st.
 Broomhall, B., Fr. a 9 Library st.
 Brosnan, M. E., *mus.* Wallingford
 Brown, A. C., So. a 22 College st.
 Brown, A. L., Jr. a 218 D.
 Brown, A. R., Sr. d 626 E. D.
 Brown, B. L., Fr. a 224 D.
 Brown, B. O., Jr. a 450 FW.
 Brown, C. C., Clerk (p. 39) 126½ Howe st.
 Brown, F. C., Sr. a 47 v.
 Brown, G. M., Sr. s 17 Hillhouse av.
 Brown, H. E., Jr. d 705 W. D.
 Brown, Harry F., Fr. s 38 Avon st.
 Brown, Henry F., Sr. s 14 Vernon st.
 Brown, H. S., g, Grad. d Darien
 Brown, H. W., Jr. s 133 College st.
 Brown, J., Ass't. (p. 36) 230 D.
 Brown, J. C., Jr. s 140 v-s.
 Brown, J. S., Jr., Sr. a 321 W.
 Brown, M., Jr. a 37 v.
 Brown, N. C., Jr. a 334 WH.
 Brown, R., Secretary (p. 18) Observatory pl.
 Brown, R. A., Jr. s 39 Sea st.
 Brown, R. L., So. a 254 Crown st.
 Brown, S. G., 1 l 333 York st.
 Brownback, J. E., Fr. s 387 Temple st.
 Browne, A. J., Fr. s 389 Temple st.
 Browning, E., Fr. s 82 Wall st.
 Browning, G., Sr. a 69 v.
 Browning, P. E., Ass't. Prof. (pp. 25, 125, 339, 512) (Kent Lab'y.) 23 Edgehill road
 Bruce, D., Jr. a 467 FW.
 Bruce, J. W., So. a 42 College st.
 Bruff, H., Sr. a 39 v.
 Brundage, F. H., Fr. s 295 Humphrey st.
 Bruner, L. E., So. a 236 Crown st.
 Brunstrom, D. V., Sr. a 315 Winchester av.
 Brush, G. J., Prof. (p. 17) 14 Trumbull st.
 Brush, H. M., Fr. a 90 Wall st.
 Bryant, D. L., g West Haven
 Buck, C. J., Sr. for. 713 W. D.
 Buck, J. L. B., Jr. s 113 v-s.
 Buckley, W. A., 2 l 146 York st.
 Buell, F. A., Fr. a 561 P.
 Buffington, S., Sr. s 130 Wall st.
 Buffum, D. L., Instr. (pp. 29, 103) 67 Mansfield st.
 Bulkeley, M. G., Jr., So. a 260 Crown st.
 Bulkeley, R. B., Fr. a 248 York st.
 Bulkley, C. S., Sr. a 21 v.
 Bulkley, E. T., Jr. a 1076 Chapel st.
 Bull, F. K., Jr. a 457 FW.
 Bull, L. S., So. a 22 College st.
 Bumstead, H. A., Ass't. Prof. (p. 25) A.
 Bundy, N. H., Fr. a 582 P.
 Bunker, C. C., 1 l 66 Whalley av.
 Burbridge, W., s for. A.
 Burgess, F. M., g 274 Dixwell av.
 Burgess, H. F., g 20 Brown st.
 Burnap, S. R., Jr., Sr. a 23 v.
 Burnet, R. W., Fr. s 395 Temple st.
 Burnham, C., Jr. s 96 Wall st.
 Burr, H. W., Fr. s 405 Temple st.
 Burr, L., Jr., s 152 v-s.
 Burrowes, H. M., Fr. a 270 L.
 Burtner, O. W., g, Sr. d 628 E. D.
 Burton, L. L., f 101 Park st.
 Burton, M. L., Mid. d 63 Clark st.
 Burton, R., g, 1 l 333 York st.
 Burwell, A. K., Fr. s 117 Wooster st.
 Burwell, M. R., t 771 Orange st.
 Bush, C. M., g West Haven
 Bush, K. J., Ass't. (p. 39) (13 M.) 133 Howe st.
 Bush, L. P., Librarian and Ass't. (p. 39) (8 M.) 133 Howe st.
 Bushnell, E. A., *mus.* Plantsville
 Butler, E. C., Jr. s 102 v-s.
 Butler, E. H., Jr., So. a 22 College st.
 Butler, G. H., Cashier (p. 39) (25 L. H.) 136 Dwight st.
 Butler, M. C., f Bridgeport
 Butterfield, P. M., Sr. a, 1 m 159 Elm st.
 Bynner, E. T., Jr. s 133 College st.
 Byrnes, R. M., Fr. a 120 High st.
 Cahill, E. M., t 220 Orange st.
 Calderwood, C. M., Jr. d 675 W. D.
 Calhoun, N. M., Fellow Winsted
 Calkins, L. G., Jr. s 96 Wall st.
 Callahan, C., t 309 Washington av.
 Callahan, E. F., Sr. s 161 Blatchley av.
 Callahan, W. H., Med. Ass't. (p. 29) (GYMN.) 40 Whalley av.
 Callender, G. S., Prof. (pp. 24, 151, 257, 295) 354 Edwards st.
 Camblos, W. K., g, 1 l 333 York st.
 Cameron, E. H., g 120 York st.

Camp, A. G., So. *a* 260 Crown st.
 Camp, T. J., Fr. *a* 395 B.
Camp, Walter, Treasurer of Yale
Field (p. 22) 58 Everitt st.
 Campbell, E. L., *t* 64 James st.
 Campbell, J. N. H., 2 *l* 333 York st.
 Campbell, M. D., *g* 331 Temple st.
 Campbell, R., So. *a* 42 College st.
 Canada, C. E., Fr. *s* 239 Fitch st.
Canby, H. S., Instr. (p. 21) 3 B. M. H.
 Candee, H. E., 1 *m* 74 Dixwell av.
 Caplan, O., 2 *l* 29 George st.
 Cardashian, V., 1 *l* Box 729 Yale Sta.
 Carey, H. B., Fr. *s* 393 Temple st.
 Carhartt, W. W., Fr. *a* 250 York st.
 Carlin, E. A., *g* 215 Davenport av.
 Carlton, H. F., Jr. *s* 82 Wall st.
Carmalt, W. H., Prof. (p. 19)
 87 Elm st.
 Carnahan, D. H., *g* Paris, France
Carnahan, L. R., Priv. Sec'y. (p. 39)
 (WOOD.) 56 Grove st.
 Carney, V. N., *g*, Grad. *d* 618 E. D.
 Carpenter, C. W., Jr., Fr. *s*
 1 Hillhouse av.
 Carpenter, J. R., Fr. *s* 47 Lake pl.
 Carpenter, J. W., Sr. *d* 122 Dwight st.
 Carroll, C. H., Sr. *a* 337 W. H.
 Carroll, P. R., 1 *l* Bridgeport
 Carter, A. M., *t* 38 Clark st.
 Carter, E. B., Fr. *s* 126 High st.
 Carter, F. M., Jr., Sr. *s* 153 v-s.
 Carter, L. B., Jr. *s* 1151 Chapel st.
 Carter, W. L., So. *a* 22 College st.
 Cartwright, B., Jr., Sr. *s* 131 Grove st.
 Cartwright, W. O., *g* Wallingford
 Carver, C., Jr., Jr. *a* 391 B.
Cary, A., Ass't. (p. 372) MARSH HALL
 Case, B. E., 2 *l* 44 Elm st.
 Case, G., Fr. *a* 333 York st.
 Case, S. J., *g*, Grad. *d* 684 W. D.
Caskey, L. D., Instr. (pp. 29, 91, 95)
 542 P.
Castor, G. D., Instr. and Dir.
 (pp. 29, 39, 417) 339 York st.
 Cates, J. M., 2 *l* 36 Elm st.
 Catlin, G. E., Fr. *a* 134 Howe st.
 Catlin, R. W., Fr. *a* 522 P.
 Chadwick, G. I., *g* 606 E. D.
 Chalker, A. R., Jr. *s* 451 Greenwich av.
 Chalker, W. C., Jr. *s*
 451 Greenwich av.
 Chamberlain, V. B., Fr. *s*
 439 Temple st.

Chamberlin, C. V. W., Fr. *s*
 114 High st.
 Chamberlin, G. L., Sr. *s* 108 v-s.
 Champion, W. J., Jr., Sr. *a* 62 v.
 Chandler, J. H., *g* A.
 Chandler, P. B., Sr. *a*, 1 *m*
 51 Trumbull st.
 Chaney, C. E., So. *a* 266 L.
 Chang, Y. C., Grad. *l* 297 George st.
 Chapin, C. H., Fr. *s* 407 Temple st.
 Chapin, E. B., So. *a* 291 W.
 Chapin, E. S., Jr., Sr. *s* 120 High st.
 Chapin, F. G., So. *a* 447 FW.
 Chapin, L. L., Sr. *s* 120 College st.
 Chapman, A. P., *g*, Jr. *d* 602 E. D.
 Chapman, C. J., Jr., Sr. *a* 441 FW.
 Chapman, F. B., Sr. *a* 16 v.
 Chapman, W. F., Sr. *s* 139 Edwards st.
 Chapman, W. P., Fr. *s* 659 W. D.
 Charwate, A. J. A., 1 *l* 159 Elm st.
 Chase, A. W., *t* Stratford
Chase, F. L., Ass't. Astrom. (p. 25)
 Observatory
 Chase, M. E., *g* 70 Howe st.
 Chase, R. R., Jr. *a* 341 W. H.
 Chase, R. W., Fr. *a* 264 L.
 Chatfield, G. F., *g* 268 Humphrey st.
 Chatfield, R. E., Fr. *s* 1620 Chapel st.
 Chatterton, A. M., *t* 174 Grand av.
 Chen, C., *g* 127 Howe st.
 Cheney, J. P., Fr. *s* 427 Temple st.
 Cheney, S. C., Jr. *s* 108 v-s.
 Cheyney, E. G., Jr. *for.*
 182 Mansfield st.
 Childs, F. D., Fr. *a* 93 S. M.
 Chillingworth, F. P., 2 *m*
 47 Stanley st.
 Chisholm, H. J., Jr., Fr. *a* 238 York st.
Chittenden, R. H., Prof. and Director
 (pp. 21, 130, 224, 237, 250, 344)
 (3 S. H.) 83 Trumbull st.
 Christian, J. O., Fr. *s* 299 York st.
 Church, W. B., So. *a* 272 L.
 Cioffi, A. P. F., *f* 113 Franklin st.
 Clancey, J. M., Sr. *s* 258 Chapel st.
 Clapp, J. S., Fr. *s* 379 Temple st.
 Clapp, R. G., *g*, Grad. *d* A.
 Clapp, S. H., *g* 721 W. D.
 Clark, A. H., Jr. *a* 131 F.
 Clark, A. R., Jr. *g* A.
 Clark, B. M., *t* 125 High st.
 Clark, C., Fr. *a* 583 P.
Clark, C. U., Ass't. Prof. (pp. 25,
 91, 319, 324) 473 Edgewood av.

- Clark, D., Sr. *s* 137 College st.
 Clark, E. D., Fr. *s* 193 Bassett st.
 Clark, E. M., Sr. *a* 59 Dixwell av.
 Clark, E. T., Fr. *s* Woodbridge
 Clark, H. H., *g* A.
 Clark, H. T., *g* A.
 Clark, J. E., Prof. (p. 18) Longmeadow, Mass.
 Clark, J. F., Spec. *l* 110 Wall st.
 Clark, J. H., So. *a* 254 Crown st.
 Clark, J. R., Jr., Jr. *s* 136 v-s.
 Clark, L. B., Fr. *a* 193 Bassett st.
 Clark, L. C., Jr. *s* 128 v-s.
 Clark, M. E., *mus.* 223 Whalley av.
 Clark, R. E., Fr. *s* 125 DeWitt st.
 Clark, R. L., Jr. *a* 449 FW.
 Clark, R. P., 2 *l* 115 York st.
 Clark, S. C., *g* A.
 Clark, T. F., Sup't. Yale Station, U. S. Post Office (p. 543) 46 Bishop st.
 Clarke, C. C., Jr., Ass't. Prof. (pp. 25, 235, 325) 254 Bradley st.
 Clarke, E., Jr. *s* 128 Wall st.
 Clarke, J. W., Sr. *s* 120 College st.
 Clarke, T. H., Jr. *s* 135 v-s.
 Clarke, W. N., Lect. (pp. 29, 398) Hamilton, N. Y.
 Clarke, W. W., Jr. *a* 446 FW.
 Cleaveland, E. W., *g* 89 Whalley av.
 Cleland, G. S., Jr. *for.*, Spec. *s* 64 Lake pl.
 Clement, G. N. H., Sr. *a* 24 v.
 Clement, N. P., So. *a* 22 College st.
 Clement, W. P., Jr., Fr. *a* 526 P.
 Clements, C. H., Sr. *s* Yale and Maltby avs.
 Clements, E. E., Fr. *s* Yale, cor. Maltby av.
 Cleveland, G. C., Fr. *a* 540 P.
 Clifford, F. J., Fr. *s* 395 Temple st.
 Clock, R. O., *g* 2 Hillhouse av.
 Close, M., *t* 270 Howard av.
 Closson, O. E., *g* 466 FW.
 Clow, W. E., Jr., So. *a* 22 College st.
 Clucas, L. M., Sr. *s* 131 Grove st.
 Clune, A. E., *t* 221 Columbus av.
 Coakley, M. C., *t* 5 Eld st.
 Coburn, L. G., 1 *l* 539 Elm st.
 Coddington, C. M., Fr. *s* 134 v-s.
 Coddington, J. C., *g*, Grad. *d* Falls Village
 Coe, F. L., Jr. *s* 18 Lynwood pl.
 Coe, F. S., *g* A.
 Coe, R. B., Sr. *a* 299 w.
 Coe, R. M., Jr. *a* 371 WH.
 Coe, R. S., Fr. *s* 393 Temple st.
 Coe, W. R., Ass't. Prof. (pp. 25, 130, 221, 250, 343) (75 B. L.) 2 Hillhouse av.
 Coen, D. M., Sr. *s* 333 York st.
 Coffey, J. R., 2 *m* 17 Autumn st.
 Cohan, J. A., 1 *l* 102 York sq.
 Cohn, I. J., 2 *l* Bridgeport
 Coholan, W. T., Fr. *s* New Britain
 Coit, A. M., Sr. *a* 9 v.
 Colburn, S. B., Fr. *s* 405 Temple st.
 Cole, P. S., *s for.* A.
 Coleman, R., Fr. *s* 133 College st.
 Colie, R., Sr. *a* 21 v.
 Colket, G. H., Jr., So. *a* 42 College st.
 Collin, W. W., Jr., So. *a* 42 College st.
 Collins, P. H., Fr. *a* 545 P.
 Collins, W. E., So. *a* 232 D.
 Colston, J. A. C., Fr. *s* 152 Grove st.
 Colvin, F. M., 3 *l* 101 William st.
 Colyer, J. F., Fr. *s* 9 B. M. H.
 Comer, J. D., Sr. *s* 131 Grove st.
 Comfort, C. W., Jr., So. *a* 452 FW.
 Comley, A. M., So. *a* 156 P.
 Comstock, A. T., Jr. *s* 40 Lake pl.
 Comstock, J. M., Sr. *a* 59 v.
 Comstock, W. J., Instr. (pp. 29, 221, 337) 43 Trumbull st.
 Conant, H. J., *s for.* A.
 Condé, H. W., Jr. *a* 318 w.
 Condon, A. A., *t* 10 Sylvan av.
 Cone, J. W., Sr. *s* 686 w. n.
 Congdon, E. C., Fr. *a* 242 York st.
 Congdon, J. H., Jr., Fr. *s* 391 Temple st.
 Congdon, R. V., Fr. *a* 528 P.
 Congdon, W. B., Sr. *a* 1 v.
 Connally, T. W., 3 *l* 284 w.
 Connell, J. H., 3 *l* 3 College st.
 Connell, L. M., Fr. *a* 22 College st.
 Conner, R. L. J., Fr. *a* 564 P.
 Connor, A. M., *t* 174 Lloyd st.
 Cook, A. S., Prof. (pp. 20, 117, 331) (135 Elm st.) 219 Bishop st.
 Cook, H. B., Jr. *a* 285 w.
 Cook, S. R., Sr. *a* 427 FW.
 Cooke, C. O., Sr. *m* 141 York st.
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 Cooke, L. M., *f* 188 Clinton av.
 Cooke, R. A., Jr. *a* 236 D.
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- Cooley, T. S., Jr. *a* 250 L.
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 146, 148, 476) 285 Willow st.
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 Cornell, J. B., Jr. *s* 1 Hillhouse av.
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 Corwin, R. N., *Prof.* (pp. 23, 111,
 234, 329) 247 St. Ronan st.
 Cory, C. E., *g* 14 Whalley av.
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 Costello, J. J., Jr. *s* 7 Summer st.
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 Countryman, I. N., Sr. *a*
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 Covey, L. C., So. *a* 264 L.
 Cowell, B., Sr. *a* 36 v.
 Cowles, W. R., Jr. *a* 424 fw.
 Cowling, D. J., *g, Mid. d* 692 w. d.
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 Cramer, W. B., *Ass't.* (p. 36)
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 Crane, J. G., So. *a* 22 College st.
 Crane, R. W., Sr. *m* 333 Cedar st.
 Cranmer, W. H. H., Jr. *s* 96 Wall st.
 Crawford, L. J., Jr., Fr. *a* 567 p.
 Crawford, S. K., *Spec. l* 371 Crown st.
 Crawford, S. T., So. *a* 27 College st.
 Cressler, A. M., *g* A.
 Cressler, K. M., Sr. *s* 17 Hillhouse av.
 Cressy, W. F., 3 *l* 137 Dwight st.
 Critchlow, O. R., Jr. *a* 325 w.
 Crocker, C. T., Fr. *a* 242 York st.
 Crofton, G. H., Fr. *s* 135 College st.
 Cronin, F. Q., Sr. *a* 19 v.
 Cross, W. L., *Prof.* (pp. 23, 233, 333)
 (22 s. h.) 306 York st.
 Crouse, M., Jr. *s* 133 v-s.
 Crouse, N. M., Jr. *a* 303 w.
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 Crunden, W. M., Fr. *a* 242 York st.
 Cudlipp, W. F., Sr. *s* 79 Pearl st.
 Cullom, M., *t* 126 St. John st.
 Cumming, A., *Grad. l* 1032 Chapel st.
 Cummings, J. A., 1 *l* Fairfield
 Cuneo, J. F., Fr. *s* 110 Wall st.
 Cunningham, J., Fr. *a* 22 College st.
 Cunningham, R. H., So. *a*
 260 Crown st.
 Curdy, A. E., *Instr.* (pp. 29, 103, 324)
 361 Elm st.
 Curnow, G. N., 3 *l* 86 Broadway
 Curran, D. J., Fr. *a* 266 L.
 Curran, H. A. L., So. *a* 38 Lake pl.
 Curran, J. H., *t* 38 Lake pl.
 Curtis, E., *mus.* Nichols
 Curtis, E. L., *Prof.* (pp. 20, 306, 403)
 (663 w. d.) 61 Trumbull st.
 Curtis, S. B., Jr. *a* 347 wh.
 Curtiss, C. G., Fr. *a* 22 College st.
 Curtiss, D. R., *Instr.* (pp. 29, 236, 351)
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 Curtiss, G., Fr. *a* 238 York st.
 Curtiss, G. W., Jr. *s* 14 Eld st.
 Curtiss, J. B., Sr. *s* 108 v-s.
 Curts, B. G., Sr. *a* 28 v.
 Curts, P., Sr. *a* 28 v.
 Cushing, W. H., *Ass't.* (p. 36)
 Southington
 Cushing, W. S., Fr. *a* 546 p.
 Cushwa, F. W., *g* Wallingford
 Cutler, H. H., Jr. *a* 163 p.
 Cutler, R. D., So. *a* 22 College st.
 Cutter, J. D., Jr., Fr. *a* 600 p.
 Cutting, C. C., 1 *m* 821 Whitney av.
 Dadourian, H. M., *g* 131 High st.
 Daggett, L. M., *Instr.* (pp. 29, 487)
 (42 Church st.) 77 Grove st.
 Dahl, G., Fr. *a* 173 f.
 Daily, E. C., *mus.* 858 Quinpiac av.
 Dalley, E. M., Sr. *s* 17 Hillhouse av.
 Daly, C. E., Sr. *a* 19 v.

- Dalzell, R. D., Sr. *a* 332 WH.
 Damon, H. F., So. *a* 318 W.
 Dana, E. S., Prof. (pp. 19, 124, 128)
 (4 M.) 24 Hillhouse av.
 Dangler, C. S., Fr. *s* 389 Temple st.
 Dangler, D. E., Sr. *a* 35 V.
 Daniels, F. L., So. *a* 251 Crown st.
 Danielson, R. E., So. *a* 250 Crown st.
 Darby, W. T., Sr. *a* 466 FW.
 Darlow, G. M., Spec. *s* 110 Wall st.
 Darr, E. A., Grad. *l* 925 Howard av.
 Darr, L., Sr. *a* 441 FW.
 Darragh, J. G., Jr. *s* 17 Hillhouse av.
 Dart, J., Jr., Jr. *a* 301 W.
 Daskaloff, D. Z., Jr. *a* 21 Lynwood pl.
 Davenport, D., Sr. *s* 96 Wall st.
 Davenport, W. E., *g, mus.* Bridgeport
 Davey, E. S., Fr. *a* 381 WH.
 Davidian, H. H., Spec. *m*
 53 Prospect st.
 Davidson, E. M., Sr. *a* 62 V.
 Davis, C. C., 2 *m* 98 Greene st.
 Davis, C. J., So. *a* 79 S. M.
 Davis, C. W., *g* A.
 Davis, D. J., 2 *l* 159 Elm st.
 Davis, F. B., Jr., Jr. *s* 119 Wall st.
 Davis, M. R., 1 *l* 115 Howe st.
 Davis, P. V., Sr. *a* 6 V.
 Davis, R. D., Jr., So. *a* 257 L.
 Davis, S., Sr. *d* 642 E. D.
 Davis, S. L., *t* 361 George st.
 Davis, W. G., Jr., Fr. *a* 242 York st.
 Day, C., Ass't. Prof. (pp. 26, 146,
 148, 151, 296) 749 Whitney av.
 Day, F. H., Sr. *a* 29 V.
 Day, G. E., Prof. (p. 17)
 125 College st.
 Day, W. B., Sr. *s* 133 College st.
 Day, W. F., Auditor New Haven
 Dean, A. L., Instr. (pp. 29, 250, 381)
 (7 S. H.) 135 Howe st.
 Dean, F. A., Jr., Fr. *a* 22 College st.
 Dean, H. C., 2 *l* 27 College st.
 Dean, W. D., Sr. *a* 17 V.
 Deane, S. N., *g* Athens, Greece
 DeBaun, L. H., Fr. *a* 366 WH.
 DeForest, C. M., Jr. *m* 120 York st.
 DeForest, E. A., Jr. *s* 333 York st.
 DeForest, J. B., Sr. *a* 141 F.
 Defrees, D. J., Sr. *s* 128 High st.
 DeGolyer, S. B., Fr. *a* 250 York st.
 Delano, E., Jr., Fr. *a* 539 P.
 DeLaVergne, C. R., Sr. *a* 46 V.
 Demarest, J., *t* 299 Edwards st.
 Deming, C. D., So. *a* 239 D.
 Deming, R. H., So. *a* 236 Crown st.
 Denny, H. D., Jr., Fr. *a* 250 York st.
 Depew, C. M., Fellow
 43 W. 54th st., N. Y. City
 Derby, J. H., Jr., Fr. *s* 110 Wall st.
 D'Esopo, F., 1 *l* 120 High st.
 Deuel, C. M., So. *a* 42 College st.
 Devine, J. V., Sr. *a* 365 WH.
 DeWitt, W. A., So. *a* 203 D.
 Dexter, F. B., Librarian (p. 18)
 (LIBR.) 178 Prospect st.
 Deyo, J. M., Fr. *a* 360 WH.
 Dial, E. C., 2 *l* 1081 Chapel st.
 Diamond, F. J., *t* 173 Whalley av.
 Diamond, J. E., Fr. *s* 173 Whalley av.
 Dibble, L. A., Fr. *s* 656 Orange st.
 Dibble, M. L., *t* 43 Whalley av.
 Dickerman, A. L., *t* 276 Orange st.
 Dickinson, B., Fr. *s* 132 Wall st.
 Dickinson, F. S., Jr. *a* 378 WH.
 Dickinson, H., Sr. *s* 17 Hillhouse av.
 Dickson, C. W., Fr. *a* 536 P.
 Diefendorf, A. R., Lect. (p. 29)
 Middletown
 Diehl, C., Fr. *a* 296 W.
 Dike, C. F., Ass't. (pp. 36, 389)
 114 High st.
 Dillaway, A. W., 1 *m* 33 York st.
 Diller, W. H., Jr. *a* 304 W.
 Dillon, J. B., 1 *l* 371 Crown st.
 Dilworth, J., Fr. *s* 427 Temple st.
 Dilworth, J. C., Sr. *s* 131 Grove st.
 Dimock, H. E., Jr. *a* 287 W.
 Dimock, H. F., Fellow
 25 E. 60th st., N. Y. City
 Dines, T. M., Fr. *a* 250 York st.
 Dinnan, A. G., *t* 96 Broad st.
 Disbrow, D. M., *mus.*
 South Norwalk
 Disbrow, W. F., Sr. *s* 300 Elm st.
 Dix, W. L., *g* A.
 Dixon, C. P., Fr. *a* 238 York st.
 Dixon, T. P., So. *a* 22 College st.
 Dobson, R. C., *f* 9 V.
 Dodd, F. F., Sr. *a* 355 WH.
 Dodd, L. H., *g, f* 82 Admiral st.
 Dodge, A. D., *g* A.
 Dodge, D. B., Fr. *a* 310 W.
 Dodge, E. N., Jr. *a* 16 V.
 Dodge, H. G., Sr. *a* 332 WH.
 Dodge, P. L., So. *a* 22 College st.
 Doherty, L. A., So. *a* 314 W.
 Dolbeare, F. R., So. *a* 470 FW.

Dole, G. S., Jr. *a* 258 L.
 Dole, L. A., Jr. *a* 258 L.
 Dominica, A. D., Spec. *d* 101 Sylvan av.
 Dommerich, L. W., Jr. *s* 82 Wall st.
 Donohoe, E. A., 3 *l* 691 w. d.
 Doroff, L. A., Sr. *m* 254 Cedar st.
 Doty, R. J., Fr. *s* 89 E. Pearl st.
 Dougherty, J. H., Jr., Jr. *a* 370 WH.
 Douglas, M. G., Fr. *a* 535 P.
 Douglass, E. N., Fr. *s* 311 York st.
 Dousman, L. deV., Jr. *a* 306 WH.
 Downes, J. I. H., Librarian (p. 39) 345 Whitney av.
 Downing, A. C., Jr., Fr. *s* 110 Wall st.
 Downing, B., So. *a* 22 College st.
 Downing, F. C., Jr. *a* 440 FW.
 Drake, C. B., Fr. *a* 242 York st.
 Dray, W. R., Fr. *a* 541 P.
 Drew, A. N., *mus.* Bridgeport
 Drew, H. E., Jr. *a* 295 w.
 Driggs, T. I., Fr. *a* 22 College st.
 Drisko, B. I., Jr. *s* 119 Wall st.
 Driver, G. H., Sr. *d* 702 w. d.
 Drucklieb, P. A., So. *a* 177 F.
 Drushel, J. A., Sr. *a* 59 Dixwell av.
 Drushel, W. A., Sr. *a* 59 Dixwell av.
 DuBois, A. J., Prof. (pp. 19, 212, 241, 352) (129 WINCH.) 334 Edwards st.
 Dudley, P., Fr. *a* 237 York st.
 Dudley, S. W., Ass't. (p. 36) 671 w. d.
 Dummer, E. L., So. *a* 282 L.
 Duncan, G. M., Prof. (pp. 22, 135, 137, 139, 286) 299 Edwards st.
 Duncan, M. H., *g* 291 Norton st.
 Duncan, W. M., Jr. *a* 352 WH.
 Dunham, C. E., *t* 27 College st.
 Dunham, W., Fr. *s* 411 Temple st.
 Dunlap, J. G., Jr. *a* 325 w.
 Dunning, R. H., Fr. *a* 139 F.
 DuPuy, C. M., Fr. *a* 327 w.
 Durey, J. C., 2 *l* 137 Dwight st.
 Durfee, E. L., Instr. (pp. 29, 140) 95 Cottage st.
 Durham, W. H., *g* 716 w. d.
 Dustin, E. F., Jr. *a* 443 FW.
 Dwight, R. S., So. *a* 227 D.
 Dyson, W., Sr. *a* 677 w. d.
 Eales, H. W., Jr. *s* 72 s. M.
 Eastman, F. S., Jr. *d* 641 E. D.
 Eaton, D. C., Prof. (pp. 18, 304) 218 Prospect st.

Eaton, G. F., Instr. (pp. 29, 344) (9 M.) 70 Sachem st.
 Eaton, S. H., Spec. *s* Observatory pl.
 Ebert, C. E., Fr. *s* Wallingford
 Ebert, M. M., Fr. *s* 405 Temple st.
 Eckle, C. W., Jr. *s* 589 Third av.
 Eddy, A. W., Jr. *a* 398 B.
 Eddy, E. A., Fr. *a* 554 P.
 Edgerton, J. W., Tutor and Sec'y. (p. 29) (HENDRIE HALL) 77 Elm st.
 Edmonds, R. M., So. *a* 215 D.
 Edmonson, N. E., *mus.* 173 Blatchley av.
 Edwards, A. M., *g* 706 w. d.
 Edwards, G. H., Sr. *a* 17 v.
 Egan, M. E., *t* 20 Pearl st.
 Eggleston, N. L., *t* 15 Beers st.
 Ehrhardt, F. J., Grad. *l* 55 Prospect st.
 Elderkin, N. S., Sr. *d* 39 Lynwood pl.
 Eldred, G. E., Clerk (p. 39) 159 Elm st.
 Elkin, C. A., *t* 477 Prospect st.
 Elkin, W. L., Director (p. 21) 477 Prospect st.
 Ellis, H. G., Fr. *s* 421 Temple st.
 Ellis, R., *g* A.
 Ellison, B., Jr. *s* 82 Wall st.
 Ellsworth, J. S., Sr. *a* 63 v.
 Elmes, F. A., Sr. *m* 87 Park st.
 Elmes, T., Jr. *s* 119 Wall st.
 Elmore, P. B., So. *a* 156 F.
 Elsner, S., 3 *l* 58 v.
 Elwell, F. B., Jr. *a* 367 WH.
 Ely, A. J., Spec. *l* 1079 Chapel st.
 Ely, E. C., Sr. *a* 155 Elm st.
 Ely, G., Jr. *a* 346 WH.
 Ely, J. S., Prof. (p. 22) 51 Trumbull st.
 Ely, L. C., 2 *l* 1079 Chapel st.
 Ely, T. W., Sr. *s* 120 College st.
 Ely, W. B., 1 *l* 426 George st.
 Embree, E. R., Jr. *a* 342 WH.
 Embree, W. D., 3 *l* 636 E. D.
 Emerick, S. P., Jr. *s* 111 Grove st.
 Emerson, C. E., *g* 89 Whalley av.
 Emerson, R. F., Jr. *s* 162 F.
 Emery, H. C., Prof. (pp. 24, 146, 151, 295) 270 Crown st.
 Ender, E. S., *mus.* 52 Arthur st.
 Endicott, H. B., *g* 126 Wall st.
 Engle, J. R., Jr. *a* 285 w.
 Engleman, R. A., Sr. *s* 27 College st.
 English, H. C., Jr. *s* 112 v-s.

- English, R. B., Fr. *a* 550 P.
Eno, J. N., Ass't. (p. 39) 130 Howe st.
 Erickson, M. L., Jr. *for.* 182 Mansfield st.
 Erwin, A. G., So. *a* 233 D.
 Erwin, H. P., I *l* 280 L.
 Eshelman, C. D., 3 *l* 119 Wall st.
 Essick, C. R., Sr. *a* 152 P.
 Ethridge, A., Jr. *a* 368 WH.
 Euans, J. S., Fr. *a* 250 York st.
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 Evans, W. F., Sr. *a* 13 V.
 Evarts, C. W., I *l* 49 Lawrence st.
 Everard, L. C., Fr. *a* 42 Lake pl.
 Everett, H., Jr. *s* 111 Grove st.
 Everett, I. J., *g* 32 Howe st.
 Everett, R. H., I *l* 314 Crown st.
 Everett, S. A., Sr. *m* 133 Dwight st.
Evermann, B. W., Lect. (p. 384) Washington, D. C.
 Ewers, J. E., Jr. *a* 258 L.
 Ewing, F., Jr. *s* 1 Hillhouse av.
 Ewing, F. B., Sr. *s* 131 Grove st.
 Fabian, H. P., So. *a* 22 College st.
 Failing, H. R., So. *a* 22 College st.
 Fairbanks, R., Fr. *a* 254 York st.
 Fairbanks, R. M., Sr. *a* 11 V.
Fairchild, F. R., Instr. (pp. 30, 146) 1233 Chapel st.
 Fales, H., Jr., Fr. *a* 233 York st.
 Fallon, J. P., I *m* 373 Crown st.
 Fallows, C. S., Sr. *a* 29 V.
 Fansett, G. R., Sr. *s* 105 Wooster st.
 Fanslow, A. Y., *mus.* 54 Salem st.
 Farel, O. R. O., *g*, Sr. *d* 655 W. D.
 Fargo, A. W., Jr. *s* 96 Wall st.
 Fargo, F. M., Jr., Jr. *s* 96 Wall st.
 Farmer, L. B., Fr. *s* 393 Temple st.
Farnam, H. W., Prof. (pp. 20, 294) 43 Hillhouse av.
Farnam, W. W., Trustee S. S. S. (p. 181) 335 Prospect st.
 Farnham, A. C., *t* 238 Grand av.
Farnsworth, W. O., Instr. (pp. 30, 103, 325) 52 Grove st.
Farr, H. A., Tutor (pp. 30, 109, 330, 509, 513) 170 F.
 Fasser, A. O., Sr. *m* 14 Baldwin st.
 Fasser, C. E., Sr. *s* 14 Baldwin st.
 Faust, E. S., Fr. *a* 238 York st.
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 Fay, W. E., So. *a* 87 S. M.
 Feder, W. J., Fr. *s* 391 Temple st.
 Feitner, O. F., Fr. *s* 110 Wall st.
 Fenn, E. L., Fr. *a* 250 York st.
 Ferguson, D., Fr. *a* 77 S. M.
Ferris, H. B., Prof. (pp. 23, 132, 344, 512) 118 York st.
 Ferry, H. F., Jr. *a* 429 FW.
 Ferry, M., *g* A.
 Fessenden, C. M., So. *a* 254 Crown st.
 Feuchtwanger, H., *t* 83 Sachem st.
 Field, C. M., Jr. *s* 333 York st.
 Field, J. E., Fr. *a* 33 Lynwood pl.
 Field, S., Jr., Jr. *a* 423 FW.
 Filley, W. O., Spec. *s*, Jr. *for.* 144 Whalley av.
 Finch, A. M., *t* 230 Lloyd st.
 Finegan, J. J., Jr. *a* 454 FW.
 Finucane, J. J., Fr. *s* 135 College st.
 Firth, G. T., Jr. *s* 119 Wall st.
 Fish, S., Jr., Sr. *a* 61 V.
Fisher, G. P., Prof. (p. 17) 27 Hillhouse av.
Fisher, I., Prof. (pp. 23, 146, 148, 295) 460 Prospect st.
 Fisher, W. S., So. *a* 260 Crown st.
 Fisk, C. W., Sr. *a* 437 FW.
 Fitch, L. H., Jr. *a* 335 WH.
 Fitten, J. H., Fr. *s* 110 Wall st.
 Fitzgerald, J. H., Jr., Fr. *a* 270 L.
 Fitzpatrick, B., Jr. *a* 447 FW.
 Flagg, E. C., Spec. *s* 259 Lombard st.
 Flagg, S. G., 3d, Fr. *s* 379 Temple st.
 Flaherty, H. F., 2 *m* 43 College st.
 Flanagan, S. J., *t* 47 Lake pl.
 Flanders, C. S., I *l* 1081 Chapel st.
 Flanders, E. C., *mus.* Rosette st.
 Flanders, R. Y., Jr. *a* 455 FW.
 Fleischner, H., So. *a* 50 Bishop st.
 Fletcher, H. F., 3 *l* 317 Crown st.
 Flinn, A. R., Jr. *a* 331 WH.
Flora, C. P., Ass't. (p. 36) Kent Laboratory
 Flynn, D. A., Sr. *m* 856 Howard av.
 Flynn, J. F., I *m* Bridgeport
 Flynt, R., Fr. *s* 405 Temple st.
 Fogelberg, J., *g* 128 Wall st.
 Folwell, B. D., So. *a* 260 Crown st.
 Foote, B. R., Fr. *s* Guilford
Foote, H. W., Ass't. Prof. (pp. 26, 208, 221, 338) 209 Livingston st.
 Forbes, R. W., So. *a* 359 WH.

- Ford, E., Jr. *s* 130 v-s.
 Ford, F. C., So. *a* 260 Crown st.
 Ford, F. L., Jr. *a* 344 WH.
 Ford, G. S., *Instr.* (pp. 30, 140, 142, 301) 36 Lynwood pl.
 Ford, S. E., Fr. *s* Milford
 Ford, W. E., Jr., *Instr.* (pp. 30, 208, 212, 341) (183 K.) 16 Lynwood pl.
 Forrest, M., So. *a* 236 Crown st.
 Forsyth, J. M., Sr. *a* 430 FW.
 Forsythe, E. C., *g* 57 Court st.
 Foster, A. E., Jr. *a* 375 WH.
 Foster, H., *mus.* 318 Humphrey st.
 Foster, H. A., So. *a* 96 Howe st.
 Foster, J. P. C., *Instr.* (p. 30) 109 College st.
 Foster, J. T., Fr. *a* 242 York st.
 Foster, P. B., *l* 235 Bishop st.
 Foster, R., *Lect.* (pp. 30, 208, 487) 79 W. 54th st., N. Y. City
 Foster, W. E., 2d, Fr. *s* 109 College st.
 Fowler, C. R., *g, mus.* 851 Chapel st.
 Fowler, C. W., Jr. *s* 82 Wall st.
 Fowler, D., 3d, Fr. *a* 535 P.
 Fowler, G. R., *g* 851 Chapel st.
 Fowler, G. S., Jr. *a* 333 WH.
 Fowler, H. E., Sr. *a* 448 FW.
 Fowler, T. C., Fr. *a* 233 York st.
 Fox, C., *t* 131 Bradley st.
 Fox, E. G. B., Fr. *s* 110 Wall st.
 Fox, G. L., *g* 7 College st.
 Fox, J. M., *l* 57 Court st.
 Fox, L., Fr. *s* 125 High st.
 Fox, M. M., *t* 131 Bradley st.
 Francis, T. T., So. *a* 22 College st.
 Francolini, P. F. B., Jr. *m* 157 York st.
 Frank, H. S., Sr. *s* 333 York st.
 Frank, S. J., Fr. *a* 172 F.
 Frankel, B. B., Fr. *s* 44 Oak st.
 Franzheim, G. W., So. *a* 203 D.
 Freeburg, V. O., Sr. *a* 53 Prospect st.
 Freeman, H. J., 2 *l* 150 York st.
 Freeman, M. A., Jr. *a* 415 B.
 Freiberg, J. W., So. *a* 254 L.
 Freiberg, L. H., Fr. *a* 237 York st.
 French, M. L., *mus.* Bridgeport
 Frey, L. M., Sr. *a* 158 F.
 Friedman, S. P., Sr. *a* 58 v.
 Frisbie, E. E., *mus.* Bridgeport
 Frissell, S. D., Fr. *a* 233 York st.
 Fromme, R. L., Jr. *for.*
 Frost, L. C., Sr. *a* 332 WH.
 Frothingham, R., Sr. *a* 62 v.
 Fruin, R. H., Fr. *a* 60 Ashmun st.
 Fuller, W. S., So. *a* 403 B.
 Fullerton, W. D., Fr. *s* 333 York st.
 Fulton, A., Jr. *s* 291 Norton st.
 Fulton, I. K., Jr. *a* 439 FW.
 Gaboury, G. N., Fr. *a* 919 Howard av.
 Gabriel, B. A., So. *a* 212 D.
 Gaffney, F. T., Sr. *m* Wallingford
 Gagel, A. S., *mus.* West Haven
 Gagel, F. R., Fr. *s* 395 Temple st.
 Gager, E. B., *Prof.* (pp. 21, 484) Derby
 Galarneau, D. C. A., Jr. *for.* 94 Division st.
 Galbraith, M. I., *t* 157 Blatchley av.
 Gale, A. S., *Instr.* (pp. 30, 120, 122, 350) 281 Willow st.
 Gamble, J., Fr. *s* 133 College st.
 Gammack, A. J., *g* West Haven
 Gammell, W., Jr., Fr. *a* 238 York st.
 Ganter, M., *g* 1161 Chapel st.
 Gard, R. T., Fr. *s* 53 Prospect st.
 Gard, W. E., Fr. *a* 553 P.
 Garde, W. R., *l* 329 Whalley av.
 Gardner, H. A., Jr., Sr. *a* 11 v.
 Garfield, U. D., So. *a* 274 L.
 Garland, C. P., So. *a* 22 College st.
 Garnsey, G. T., Fr. *a* 590 P.
 Garrison, E. E., *l* 284 Orange st.
 Gartner, K. K., Fr. *s* 400 Temple st.
 Garver, C. B., Fr. *a* 329 w.
 Garver, M. S., *Ass't.* (p. 36) 361 Elm st.
 Gates, L. H., Fr. *a* 250 L.
 Gaylord, W. L., Fr. *a* 164 F.
 Gearing, E. W., *Spec. l*
 Geduldig, A. S., *l* Bridgeport
 Geib, W., Fr. *s* 82 Wall st.
 Gentry, M. B., Jr. *s* 126 v-s.
 George, J. G., Fr. *s* 133 College st.
 Georger, F. A., Jr., Jr. *s* 133 College st.
 Gessner, E. E., *t* 150 Bradley st.
 Giampietro, A. W., *g, l m.* 12 Elliott st.
 Gibb, H., *Ass't.* (p. 40) (26 M.) 266 Dixwell av.
 Gibbons, D., Jr. *s* 131 Grove st.
 Giblin, F. J., Fr. *a* 364 WH.
 Gibson, R. B., *g* 18 Trumbull st.
 Gibson, W. C., Fr. *s* 18 Trumbull st.

- Gibson, W. W., Jr. *a* 468 FW.
 Gilbert, A. C., *i m* 146 York st.
 Gilbert, C. B., *f* Wallingford
 Gilbert, C. H., Fr. *a* 553 P.
 Gilbert, E. C., Jr. *m* 120 York st.
 Gilbert, E. F., Fr. *s* 395 Temple st.
 Gilbert, H. A., Jr. *s* 132 v-s.
 Gilbert, Mrs. H. C., *Ass't.* (p. 40)
 26 Kensington st.
 Gillis, H., So. *a* 22 College st.
 Glaenger, G. B., So. *a* 22 College st.
 Glascock, C. C., *Instr.* (pp. 30, 112,
 233) 138 v-s.
 Glasser, H., *2 l* 163 York st.
 Glazier, P. A., Fr. *s* 391 Temple st.
 Glazier, W. S., Jr. *a* 464 FW.
 Gleason, F. E., Sr. *a* 25 v.
 Gleeson, M. C., *t* 690 State st.
 Godfrey, C. L., Jr., *i m* 21 Lynwood pl.
 Godley, F. A., Fr. *a* 579 P.
 Goff, R. J., *f* 106 Wolcott st.
 Goldberg, S. J., *2 m* 14 Gold st.
 Goldenburg, I., Fr. *a* 35 Nash st.
 Goldman, J. A., Sr. *a* 52 v.
 Gooch, F. A., *Prof.* (pp. 20, 125, 334,
 339) (Kent Lab'y)
 291 Edwards st.
 Good, C. M., Jr. *d* 638 E. D.
 Goodell, F. Y., Fr. *a* 589 P.
 Goodell, T. D., *Prof.* (pp. 21, 95, 97,
 312, 314, 509, 513)
 35 Edgehill road
 Gooden, B. P., Fr. *a* 223 D.
 Goodhart, H. L., Sr. *a* 68 v.
 Goodlate, R. R., *s for.* A.
 Goodman, R., *t* 90 William st.
 Goodwin, H., Jr. *a* 372 WH.
 Goodwin, H. C., Jr. *a* 86 s. M.
 Goodwin, J. L., Sr. *a* 426 FW.
 Goodwin, P. L., So. *a* 254 Crown st.
 Goodwin, R. E., Fr. *a* 568 P.
 Goodyear, B., So. *a* 260 Crown st.
 Goodyear, C. W., Jr., Jr. *s* 305 w.
 Gordon, C. R., Sr. *s* Shelton
 Gordon, M. E., *mus.* 1193 Chapel st.
 Gorham, C., *t* 183 Wooster st.
 Gorham, L. W., Jr. *a* 432 FW.
 Gorton, D. D., Sr. *d* 699 w. D.
 Gosnell, F., Jr., Fr. *a* 242 York st.
 Gould, H. M., Fr. *s* Bridgeport
 Gow, P., Jr. *a* 468 FW.
 Graham, H., Fr. *a* 580 P.
 Grammer, G. J., Jr., Fr. *a* 250 York st.
 Granniss, F. B., *mus.* Waterbury
 Granniss, L. D., Jr. *a* 130 P.
 Grant, H. F., Sr. *s* 82 Wall st.
 Grant, J. W., Fr. *a* 233 York st.
 Grant, K. P., Sr. *s* 131 Grove st.
 Grant, L. E., Jr. *a* 345 WH.
 Grant, N., Jr. *s* 112 v-s.
 Granville, W. A., *Instr.* (pp. 30, 212,
 350) (46 N. S. H.) 118 Howe st.
 Grave, G. E., *mus.* 323 George st.
 Graves, A. H., *Instr.* (pp. 30, 381,
 394) 91 Grove st.
 Graves, H. S., *Prof.* (pp. 24, 334,
 346, 383, 386, 393, 396)
 (Marsh Hall) 68 Trumbull st.
 Gray, R., Sr. *s* 120 College st.
 Greely, J. N., Jr. *a* 316 w.
 Green, C. E., Fr. *s* 128 Wall st.
 Green, E. C., Fr. *a* 593 P.
 Green, J. W., Jr., Fr. *a* 262 L.
 Greene, C., Jr. *a* 283 w.
 Greene, D., Fr. *a* 554 P.
 Greene, G. S., Jr. *s* 17 Hillhouse av.
 Greene, M. N., Sr. *d* 166 Henry st.
 Greenstein, H., *3 l* 663 Howard av.
 Greenwell, W. A., *3 l* 1137 Chapel st.
 Gregory, Sister, *t* 444 Orange st.
 Gregory, A. B., Jr. *a* 383 B.
 Gregory, H. E., *Prof.* (pp. 24, 127,
 146, 334, 342, 385, 509, 512)
 (6 M.) 399 B.
 Gregory, R. R., Jr. *d* 709 w. D.
 Greist, H. M., Sr. *s* 96 Wall st.
 Griffin, V. L., *f* 38 Clark st.
 Griffiths, A. L., *g* A.
 Griswold, A. R., So. *a* 22 College st.
 Griswold, D. T., Fr. *a* 599 P.
 Griswold, F. T., Fr. *s* 409 Temple st.
 Griswold, J. L., *t* 29 Clinton av.
 Griswold, M. S., *t* 29 Clinton av.
 Gross, H. M., Jr. *s* 82 Wall st.
 Groves, F. S., Jr., Fr. *a* 250 York st.
 Gruener, G., *Prof.* A.
 Gruener, H. R., *Ass't.* (p. 40)
 868 Howard av.
 Gubelmann, A. E., *Instr.* (pp. 30,
 108) 279 Crown st.
 Guernsey, H. H., Sr. *d* 623 E. D.
 Gundelfinger, G. F., Jr. *s* 126 Wall st.
 Gunn, W. F., Jr., So. *a* 227 D.
 Gurley, M. B., Jr. *a* 1076 Chapel st.
 Guthrie, E. G., *g, Grad. d* 680 w. D.
 Guthrie, J. D., Jr. *for.* 649 E. D.

Hadley, A. T., President (p. 17)
 (wood.) 93 Whitney av.
Hadley, M. B., So. a 114 High st.
Haesche, W. E., Instr. (pp. 30, 154,
 354, 515) 19 Whitney av.
Hagan, J. T., Fr. a 7 Library st.
Hagar, J. W., Sr. s 131 Grove st.
Hager, R., Jr., Fr. a 250 York st.
Haggett, W. H., So. a A.
Haig, E. H., g, Jr. d 711 W. D.
Hail, W. J., g, Grad. d 695 W. D.
Halcomb, C. H., Jr., So. a
 22 College st.
Hale, G. M., Jr. s 12 Trumbull st.
Hale, H. M., Sr. for. 649 E. D.
Hale, W. T., g, Sr. d 693 W. D.
Hall, A. B., mus. 126 Howe st.
Hall, C. G., Jr. s 96 Wall st.
Hall, C. R., So. a 174 F.
Hall, E. B., Jr. s 17 Hillhouse av.
Hall, F., Fr. s 13 B. M. H.
Hall, I. S., So. a 445 FW.
Hall, L. A., Fr. s 128 Wall st.
Hall, M. B., Sr. a 9 v.
Hall, M. W., 2 l 36 Elm st.
Hall, R. W., 2 m 141 York st.
Hall, W. P., Jr. a 349 WH.
Halladjian, I. H., Jr. m 46 Sperry st.
Hallander, L. J. E., g 65 Lyon st.
Hallock, R. E., Fr. s 125 High st.
Halsey, J. R., Jr. a 53 v.
Halton, E. P., Sr. m 925 Howard av.
Hamel, H. F., Sr. s 141 v-s.
Hamill, A. E., Sr. a 35 v.
Hamlin, W. R., Sr. d 621 E. D.
Hammond, A. B., g 43 Orchard st.
Hammond, F., Fr. a 7 College st.
Hammond, H., Fr. s 1 Hillhouse av.
Hammond, H. E., Jr. a 350 WH.
Hammond, J. H., Prof. (pp. 21, 249)
 N. Y. City
Hammond, S. M., Instr. (p. 30)
 105 College st.
Hand, C. W. H., Ass't. (p. 40)
 158 York st.
Handel, L. W., Jr. a 300 w.
Hanly, C. P., Fr. s 405 Temple st.
Hannaford, J. M., Jr., Fr. a
 242 York st.
Hannahs, G. C., Jr. a 325 w.
Hannum, H. E., So. a 255 L.
Hanson, W. T., Jr., Sr. a 309 w.
Harder, P. M., Jr., Jr. s
 17 Hillhouse av.

Hardway, E. V., Sr. a 336 George st.
Hardy, F. H., Fr. s 387 Temple st.
Hare, M. S., Sr. a 33 v.
Harger, Mrs. J. C., Ass't. (p. 40)
 14 University pl.
Harney, R. E. A., 1 m Wallingford
Harper, R. M., Jr. d 640 E. D.
Harper, W. A., g 539 Elm st.
Harrington, S. M., So. a 340 WH.
Harris, C. S., Sr. a 50 v.
Harris, G. M., Sr. a 149 F.
Harris, H. F., g Mem. Hall
Harris, I. F., g 123 Huntington st.
Harris, P. T., Sr. for. 25 Whalley av.
Harris, R. W., Fr. a 250 York st.
Harris, W. D., Jr. a 390 B.
Harris, W. H., Jr. a 377 WH.
Harris, W. T. (p. 514)
Hart, A. S., t 38 Howe st.
Hart, C. E., Jr., So. a 260 Crown st.
Hart, E. H., So. a 254 Crown st.
Hart, F. W., Sr. a 57 v.
Hart, J. D., 3 l 113 Wolcott st.
Hart, W. H., Fr. a 9 Library st.
Hartman, H. E., 1 l 314 Crown st.
Hartshorn, W. E., Ass't. (p. 37)
 1138 Chapel st.
Hartshorne, W. B., Fr. s
 397 Temple st.
Hartwell, M. H., So. a 262 L.
Harvey, D. G., Sr. s 131 Grove st.
Harvey, E. D., So. a 147 F.
Harvey, S. C., Fr. s 124 Shelton av.
Hasbrouck, J. J., Jr. s
 17 Hillhouse av.
Haserot, A., Sr. a 309 w.
Haskell, C. D., Fr. a 576 P.
Haskell, W., Sup't. (p. 40)
 96 Dwight st.
Hass, H. P., Fr. s 619 E. D.
Hastings, C. S., Prof. (pp. 19, 216,
 247, 334, 335)
 (120 WINCH.) 248 Bradley st.
Hastings, N. S., Sr. a 26 v.
Hastings, R. M., Fr. s 110 High st.
Hatheway, P. M., Fr. s
 391 Temple st.
Hauenstein, H., So. a 249 Crown st.
Hausberg, E., g A.
Havemeyer, R., Sr. s 131 Grove st.
Haven, G. A., Sr. s 120 College st.
Haviland, M., Jr. s 119 Wall st.
Hawes, R. W., Fr. a 78 Lake pl.
Hawk, I. T., Sr. d 673 W. D.

- Hawkes, H. E., Ass't. Prof.* (pp. 26, 120, 350, 509, 513) (463 FW.)
20 Carmel st.
- Hawley, J. M., *mus.* Bridgeport
- Hawley, P. F., Fr. s 405 Temple st.
- Haws, H. E., Sr. a 66 v.
- Hayes, E. F., Sr. a 145 F.
- Hayes, F. A., Jr. a 368 WH.
- Hayes, J. R., 2 l 336 George st.
- Hayes, M. C., Fr. a 287 York st.
- Hayes, W. D., s *for.* A.
- Haynes, G. E., g, Jr. d 665 w. d.
- Haynie, D. P., Jr. a 390 B.
- Hays, S. W., Fr. s 299 York st.
- Headley, H. W., Jr. a 163 F.
- Healy, V. E., Fr. a 242 York st.
- Heaton, D. R. P., Jr. a 371 WH.
- Heaton, H. C., So. a 154 F.
- Heaton, L., g A.
- Hecksher, G. M., So. a 22 College st.
- Hedrick, A. L., Fr. a 248 York st.
- Heilprin, A., Lect.* (pp. 30, 221, 227) (191 K.) 331 Temple st.
- Heisler, C. B., So. a 281 L.
- Hellman, M. A., Fr. s 389 Temple st.
- Helm, J. P., Jr., Fr. a 250 York st.
- Hembury, C. A., g 1161 Chapel st.
- Hemingway, L. L., Fr. a 327 Temple st.
- Hemingway, R. W., Sr. a 309 w.
- Hemingway, S. B., g 327 Temple st.
- Hemingway, S. C., Sr. s 96 Wall st.
- Hemphill, E., g 45 Lake pl.
- Hempy, F. C., 3 l 139 York st.
- Hendel, G. S., Sr. a 25 v.
- Henderson, Y., Ass't. Prof.*
(pp. 26, 512) 400 Prospect st.
- Hendricks, A. L., 2 m 239 George st.
- Henney, D. B., Sr. s 1210 Chapel st.
- Henning, J. L., Jr., 3 l
- Henry, A. B., Sr. a 40 v.
- Henry, H. H., 1 l 40 v.
- Henze, C. W., Ass't. (p. 37)*
122 Bishop st.
- Hepworth, A., f. 188 Wooster st.
- Herbert, M., 3 l 283 Crown st.
- Herrick, W. W., Sr. m 63 Grove st.
- Herrity, G. F., 2 m 102 Ward st.
- Hershman, A. A., 1 m 13 Dow st.
- Hertell, A. F., g 333 York st.
- Hertz, L., Sr. a 44 v.
- Hess, W. M., Lect. and Rec.* (pp. 30, 137, 190, 284, 291 (L. H.))
St. Ronan's Terrace
- Hewitt, B. H., Spec. l
- Hewitt, C. F., Sr. a 339 WH.
- Hewitt, N. G., 3 l 333 York st.
- Heyl, F. W., Ass't. (p. 37)*
106 Wooster st.
- Hibbard, C. E., So. a 223 D.
- Hickox, W. B., Sr. s 145 v-s.
- Higgins, E. S., Jr. s 119 Wall st.
- Higgins, G. B., Jr. a 287 w.
- Higgins, H. M., t 278 Canner st.
- Higgins, J. J., g 569 Grand av.
- Higley, R. C., Spec. d 631 Elm st.
- Hilditch, W. W., Sr. s 132 Wall st.
- Hildreth, A. W., Sr. a 146 F.
- Hildreth, G. L., *mus.* 232 Sherman av.
- Hileman, A., Ass't. (p. 37)* 606 E. D.
- Hill, C., So. a 22 College st.
- Hill, C. L., Mid. d Fairfield
- Hill, E. B., Fr. s 82 Whalley av.
- Hill, E. F., Sup't. (p. 40)*
108 College st.
- Hill, R. T., g 202 D.
- Hillhouse, T. C., Fr. s
Box 818 Yale Station
- Hills, G., g, Jr. *for.* 25 Whalley av.
- Hilton, T., Fr. s 427 Temple st.
- Hinckley, W. F., *mus.* Stony Creek
- Hinds, J. M., Mid. d 712 w. d.
- Hine, C. D. (p. 514) Hartford
- Hine, D. M., t 140 Edwards st.
- Hine, E. M., t Stratford
- Hine, L. J., *mus.* 587 State st.
- Hine, P. W., 1 l 288 Howard av.
- Hirano, I., g 1161 Chapel st.
- Hislop, G. S., Fr. a 22 College st.
- Hitchcock, M. E., Fr. a 114 High st.
- Hitomi, J., g 378 Crown st.
- Hjerpe, C., Sr. a 315 Winchester av.
- Hoadley, H. L., Fr. s 119 Exchange st.
- Hockenburger, C. W., Fr. s
419 Temple st.
- Hodson, E. R., Jr. *for.* 64 Lake pl.
- Hoffecker, D. M., Sr. a 50 v.
- Hoffer, A., Fr. s 413 Temple st.
- Hofstad, H. O., g, Spec. d 689 w. d.
- Hogan, J. J., Sr. a 27 v.
- Hoge, T. C., Jr., 1 l 333 York st.
- Holaday, E. A., Jr. a 130 F.
- Holbrook, L., t 184 Lawrence st.
- Holbrook, M. T., g A.
- Holcomb, F., t 54 Olive st.
- Holden, W. C., 3 l 86 Broadway
- Holder, F. J., g Mem. Hall
- Holdredge, L. I., Jr. s 100 v-s.

- Hollaman, R. W., 3 l 36 Elm st.
Hollenbeck, E. D., Fr. s 19 Howard av.
Holliday, S. N., 2d, Fr. a 248 York st.
Hollis, C. L., f 100 Fountain st.
Hollis, F. S., Instr. (p. 30) 29 Norton st.
Hollister, B., Sr. a 12 v.
Hollister, B. J., Fr. a 527 P.
Holloway, W. W., Fr. s 425 Temple st.
Holmes, J. S., Sr. for. 132 Howe st.
Holmes, N., Fr. a 242 York st.
Holsapple, L. B., Sr. a 15 v.
Holt, L. H., g 1568 Chapel st.
Holter, A. M., Sr. a 51 v.
Holter, P. W., So. a 260 Crown st.
Holton, H. F., Sr. d 687 w. d.
Holzman, M., 2 l 274 Elm st.
Hooker, D., Fr. a 211 D.
Hooker, O. W., Jr. s 21 Oak st.
Hooker, T., Fr. a 242 York st.
Hooper, R. W., Fr. s 110 Wall st.
Hopkins, A. D., Lect. (pp. 30, 384) Washington, D. C.
Hopkins, C. R., So. a 236 Crown st.
Hopkins, E. W., Prof. (pp. 21, 96, 99, 137, 284, 290, 312, 316, 320) 299 Lawrence st.
Hopkins, I. S., Jr., 3 l 317 Crown st.
Hopkins, P. C., Jr. s 151 v-s.
Hoppin, B. C., So. a 22 College st.
Hoppin, J. M., Prof. (p. 17) 47 Hillhouse av.
Hopwood, C. A., 1 l Bridgeport
Hopwood, J. O., Jr. for. 22 Whalley av.
Horton, C. M., So. a 260 Crown st.
Horton, E. J., Jr. s 35 Wood st.
Horton, J. W., Jr. m 668 w. d.
Hosford, W. D., Jr. a 341 WH.
Hoss, J. F., Fr. s Mem. Hall
Hotchkiss, A. S., Priv. Sec'y. (p. 40) (wood.) 45 Lake pl.
Hotchkiss, B. A., f 371 Crown st.
Hotchkiss, C. E., mus. Hartford
Hotchkiss, F. E., Sup't. (p. 40) (F. O.) 104 High st.
Hotchkiss, G. B., Sr. a 149 F.
Hotchkiss, G. W., Jr. s 103 v-s.
Houghteling, J. L., Jr., Sr. a 20 v.
Houghton, R. M., g, Sr. d 704 w. d.
Houston, H., t 341 Sherman av.
Housum, C. R., Fr. a 248 York st.
Howard, C., Jr. s 17 Hillhouse av.
Howard, M. A., Sr. a 60 v.
Howarth, J. A., g, Jr. for. 34 Vernon st.
Howbert, W. I., So. a 260 Crown st.
Howe, E. G., Jr. a 407 B.
Howe, R. R., Sr. a 25 v.
Howe, W. W., Fr. s 391 Temple st.
Howell, S. L., Fr. a 556 P.
Howland, H. E., Fellow 14 W. 9th st., N. Y. City
Hoyt, E. K., Fr. a 242 York st.
Hoyt, H. M., Jr., Fr. a 260 Crown st.
Hoyt, L., Jr. a 373 WH.
Hsia, Y., Fr. s 14 Whalley av.
Hubbard, A. K., g A.
Hubbard, C. A., t 91 Dwight st.
Hubbard, J. L., Fr. a 1076 Chapel st.
Hubbell, G. C., Sr. s 96 Wall st.
Hubbell, J. H., Fr. s 397 Temple st.
Huckans, C. H., Fr. s 10 Ashmun st.
Hudnut, M., Jr. a 322 W.
Hudson, F. G., Jr., Fr. a 43 College st.
Hue, H. P., Jr. s 112 v-s.
Hughes, B., Sr. a 34 v.
Huiskamp, C., Jr. s 1 Hillhouse av.
Hulburd, D., Fr. a 238 York st.
Hull, A. L., Sr. a 336 WH.
Hull, A. W., Sr. a, Spec. l 358 WH.
Hull, C. H., Sr. a, Spec. l 57 Grove st.
Hull, E. B., Jr. a 428 FW.
Hull, H. G., Sr. s 131 Grove st.
Hull, J. C., Fr. a 105 Park st.
Hull, J. H., So. a 76 s. M.
Hull, J. I., Fr. a 143 F.
Hull, R. B., So. a 246 I.
Hulst, A. N., Jr. s 111 Grove st.
Humble, M. A., Jr. s 59 Prospect st.
Hume, R. W., So. a 254 Crown st.
Humphrey, A. P., Jr., Sr. a 48 v.
Humphrey, O. S., Fr. a 560 P.
Humphries, W. A., f 670 w. d.
Humpstone, E. B., Jr. a 459 FW.
Hunie, B. L., t 205 Crown st.
Hunt, E. M., Fr. s 138 Wall st.
Hunt, E. S., Instr. (pp. 31, 149, 479, 481, 484) Waterbury
Hunt, H. L., Fr. s 12 B. M. H.
Hunt, J. W., g N. H. Hospital
Hunt, P. W., Jr. a 340 WH.
Hunt, W. G., Jr. a 315 Crown st.
Hunting, R. D., Fr. a 169 F.
Huntoon, L. D., Ass't. Prof. (pp. 26, 40) 84 Wall st.

- Hurd, E. H., 2 l 65 Grove st.
Hurlburt, R. F., Jr. s 1 Hillhouse av.
Hurlbut, C. S., Fr. a 248 York st.
Hurley, L. C., Jr. s 128 High st.
Hurst, A. S., g Bridgeport
Hurtt, F. D., 2 l 661 w. d.
Huson, H. L., Fr. a 223 D.
Hussey, C. L., t 568 Chapel st.
Hussion, T. L., mus. 229 Poplar st.
Husted, H. T. F., Fr. a 379 WH.
Husted, W. W., So. a 260 Crown st.
Hutchins, A. E., Ass't. (p. 40) Library
Hutchinson, G., Jr. s 119 Grove st.
Hutt, C. S., Jr. a 69 Mechanic st.
Hyatt, W. C., Sr. a 339 WH.
Hyde, F. S., t 129 Howe st.
Hyde, J. C., Fr. a 105 York st.
Hynes, T. V., Instr. (p. 31) 27 College st.
Ide, C. E., Fr. a 587 P.
Ihne, L. P., Fr. s 66 Crown st.
Immich, H. D., Jr. s 128 High st.
Ineson, S. B., Fr. s 114 High st.
Ingersoll, J. W. D., Ass't. Prof. (pp. 26, 91, 312, 317) 311 Crown st.
Inslee, J. A., Jr. s 119 Grove st.
Irvin, C. R., Fr. s 276 Orange st.
Irvine, W. L., Jr. m 141 York st.
Ish, G. W. S., Sr. a 666 w. d.
Ives, H. M., Fr. a 523 P.
Ives, Raymond, Fr. a 242 York st.
Ives, Ruth, t 82 Pearl st.
Ivy, T. P., Jr. for. 182 Mansfield st.
Jack, W. J., Sr. a 1081 Chapel st.
Jackson, A. B., Jr., So. a 22 College st.
Jackson, A. L., Fr. a 102 Eaton st.
Jackson, C. B., So. a 134 F.
Jackson, F. V., Jr. s 133 College st.
Jackson, G. B., Fr. s 405 Temple st.
Jackson, H. H., Fr. a 176 F.
Jackson, P. V. C., Sr. a 7 v.
Jackson, S. F., 2 m 56 Frank st.
Jacobs, A. E., 1 l 159 Elm st.
Jacobs, J. L., Fr. s 128 Lafayette st.
Jacobus, C. S., Sr. a 355 WH.
Jacobus, D. L., Fr. a 26 Court st.
Jacombe, F. W. H., g, Jr. for. 153 Dwight st.
James, D. L., g A.
Jameson, A. S., Jr. s 151 v-s.
Jamieson, G. S., Instr. (pp. 31, 208, 334, 338) 162 S. L.
Jamison, H. B., Jr. a 166 F.
Janney, R. D., Jr. a 347 WH.
Jarvis, H. G., Jr. a 415 B.
Jefferson, C. E., Fellow N. Y. City
Jeffords, W. M., Sr. a 16 v.
Jelliffe, R. A., Sr. a 459 FW.
Jelline, M., 1 l 593 East st.
Jenkins, H., g A.
Jennings, B. D., Sr. s 130 Wall st.
Jennings, I. L., So. a 278 L.
Jennings, J. J., Fr. s 409 Temple st.
Jennings, S., Fr. a 236 Crown st.
Jensen, G. E., So. a 273 L.
Jente, A. H., 3 l 97 Bristol st.
Jepson, H. B., Ass't. Prof. (pp. 26, 154, 355, 515) (Memorial Hall) 55 Dwight st.
Jewett, G. W., mus. Bridgeport
Johns, C. O., Ass't. (p. 37) 162 S. L.
Johnson, A. S., f 374 Grand av.
Johnson, E. D., Sr. s 120 Dwight st.
Johnson, E. L., Fr. s 387 Temple st.
Johnson, F. E., So. a 139 Rosette st.
Johnson, F. J., Fr. s 117 Wall st.
Johnson, G. A., Ass't. (p. 40) 381 Ferry st.
Johnson, G. M., Fr. a 366 Whalley av.
Johnson, J. Q. A., Jr., Fr. a 574 P.
Johnson, J. W., Jr. s 111 Grove st.
Johnson, M. O., So. a 273 L.
Johnson, P., Sr. d 646 E. D.
Johnson, S. W., Prof. (p. 18) 54 Trumbull st.
Johnson, T. B., Instr. (pp. 31, 208, 334, 337) 120 Dwight st.
Johnson, W. A., 2 l 333 York st.
Johnson, W. C., So. a 210 D.
Johnson, W. K., Jr. a 346 WH.
Johnson, W. S., g 122 Howe st.
Johnston, C. E., Instr. (pp. 31, 149, 208) Hartford
Johnston, D. K., g A.
Johnston, D. T., Fr. s 379 Temple st.
Johnston, E. C., Sr. s 129 v-s.
Johnston, J. F., g, Grad. d Yale Station
Johnston, L. W., Sr. a 7 v.
Johnston, S. P., Sr. a 67 v.

- Johnston, T. E., Sr. *s* 17 Hillhouse av.
 Johnston, W. C., Jr. *s* 133 College st.
 Jonas, C. H., Jr. *s* 124 Wall st.
 Jones, A. C., Sr. *s* 82 Wall st.
 Jones, B. F., Fr. *a* 399 Elm st.
 Jones, Carleton B., Fr. *s* 65 York sq.
 Jones, Charles B., Fr. *s* 133 College st.
 Jones, C. D., Fr. *a* 242 York st.
 Jones, H. V., 2 *l* 116 High st.
 Jones, I. W., 3 *l* 925 Howard av.
 Jones, J. H., So. *a* 22 College st.
 Jones, R. D., Sr. *a* 13 Lake pl.
 Jones, W. S., Jr., Jr. *s* 425 Temple st.
 Jordan, G. V., So. *a* 139 F.
 Jordan, M. S., *t* 131 Henry st.
 Joy, J. W., 2 *l* 36 Elm st.
 Joy, R. M., Fr. *a* 223 D.
 Joyce, W. E., Fr. *s* 241 Washington av.
 Judd, C. H., *Ass't. Prof.* (pp. 26, 135, 138, 284, 286, 288, 509, 513) 18 Lincoln st.
 Judd, C. S., Sr. *a, s for.* 23 v.
 Judd, E. W., Sr. *a* 427 FW.
 Judd, M. A., *t* 66 Nash st.
 Judd, M. F., *f* Wallingford
 Judd, S. E., Sr. *a* 13 v.
 Kalaidjian, M. T., Sr. *d* 617 E. D.
 Kamen, B. I., 1 *l* 734 Grand av.
 Kane, J. I., Fr. *s* 5 B. M. H.
 Kaufman, J. P., Fr. *a* 173 F.
 Kaulukou, A. G., 3 *l* 373 Crown st.
 Kay, F. W., Sr. *s* 118 College st.
 Keach, W. E., Jr. *s* 333 York st.
 Kearney, J. E., 1 *m* 179 Church st.
 Keating, H. F., 1 *m* Wallingford
 Keating, K., *t* 220 Orange st.
 Keating, T. E., Sr. *s* 269 L.
 Kebabian, M. H., Jr. *s* 45 Park st.
 Keefe, H. N., *t* 180 Lawrence st.
 Keefe, K. B., *t* 180 Lawrence st.
 Keefe, P. C., Jr. *s* Derby
 Keegan, J. E., *mus.* Waterbury
 Keeling, L. M., Jr. *s* 131 High st.
 Keeney, P. R., Jr. *s* 117 v-s.
 Keith, E. D., 3 *l* 119 Wall st.
 Keith, I. P., Jr. *a* 356 WH.
 Kellas, L. M., Fr. *a* 231 York st.
 Keller, A. G., *Ass't. Prof.* (pp. 26, 127, 146, 148, 152, 227, 257, 296, 512) 3 Huntington st.
 Kelley, A. W., Jr. *a* 406 B.
 Kelley, L. T., Fr. *s* 397 Temple st.
 Kellogg, H. B., Jr. *s* 117 Wall st.
 Kellogg, H. R., So. *a* 277 Crown st.
 Kellogg, W. H., Jr., Jr. *s* 986 Quinnipiac av.
 Kelly, O. S., Fr. *s* 4 B. M. H.
 Kelsey, F. T., So. *a* 1076 Chapel st.
 Kelsey, G. R., *f* West Haven
 Kemble, E. B., *f* 110 Wall st.
 Kenna, F., 3 *l* 25 Lake pl.
 Kennard, W. P., Spec. *l*, Fr. *s* 107 v-s.
 Kennedy, C. B., Sr. *s* 137 College st.
 Kennedy, D. E., *g* A.
 Kennedy, E. A., *mus.* 45 Houston st.
 Kennedy, H. L., Jr. *m* 87 Park st.
 Kennedy, J. M., So. *a* 236 Crown st.
 Kennedy, J. R., Sr. *a* 8 v.
 Kennedy, J. W., Sr. *s* 1 B. M. H.
 Kennedy, L. A., Sr. *s* 82 Wall st.
 Kennedy, P. B., *Ass't.* (p. 37) Derby
 Kennedy, R. J., Fr. *s* 92 Mansfield st.
 Kennedy, W., 1 *l* 163 York st.
 Kennedy, W. D., Jr. *s* 630 Howard av.
 Kennedy, W. H., Sr. *a* Derby
 Kennerly, M. M., *g* 45 Lake pl.
 Kenney, A. V., *t* 125 Ward st.
 Kent, C. F., *Prof.* (pp. 23, 99, 102, 305, 309, 414, 509) (171 F.) 406 Humphrey st.
 Kent, T., Jr. *a* 342 Crown st.
 Kenworthy, H., Fr. *a* 250 York st.
 Keogh, A., *Libr. and Lect.* (pp. 26, 333, 515, 519) 751 George st.
 Kerian, S. O., Spec. *d* 703 E. D.
 Kernochan, W., So. *a* 22 College st.
 Kerr, E. C., Fr. *s* 110 Wall st.
 Kerrigan, C. F., Sr. *a* 456 FW.
 Keyes, H. B., Fr. *a* 586 P.
 Kibbe, G. V., *f* 610 Elm st.
 Kiernan, E. C., 1 *m* 98 St. John st.
 Kilbourn, H. O., So. *a* 237 D.
 Kilner, J. S., Jr. *s* 127 v-s.
 Kimball, C. P., So. *a* 237 D.
 Kimura, R. M., Grad. *l* 132 Canal st.
 Kineon, J. P., Sr. *s* 96 Wall st.
 King, A. R., Jr. *a* 333 WH.
 King, C. H., So. *a* 22 College st.
 King, E. B., *g* A.
 King, G. L., Spec. *s* 117 Wall st.
 King, H. R., Jr. *s* 124 Wall st.
 Kinne, G. C., 1 *m* 96 Sherman av.

- Kinner, S. B., *t* West Haven
 Kinney, G., Sr. *a* 3 v.
 Kinney, G., Jr., Fr. *s* 407 Temple st.
 Kinney, R. P., Sr. *s* 131 Grove st.
 Kinoshita, J., *g*, Spec. *l* 919 Howard av.
 Kinsella, M. F., *t* 14 Clark st.
 Kinsey, R. S., Fr. *a* 531 P.
 Kinsley, F., Jr., *mus.* West Haven
 Kircher, J. C., So. *a* 228 D.
 Kircher, T. E., Fr. *s* 333 York st.
 Kirchhoff, F. L., *mus.* 75 Maple st.
 Kirchwey, K. W., So. *a* 251 Crown st.
 Kirjassoff, M., Jr. *s* 58 Ashmun st.
 Kirkham, E., Sr. *a* 63 v.
 Kirtland, L. S., *g* A.
 Kitchel, C. L., *Sec'y. Bur. Self-Help*
 (pp. 26, 544) (4 PHELPS)
 253 Lawrence st.
 Kitchel, W. L., *Instr.* (pp. 31, 485)
 120 Broadway, N. Y. City
 Kitchen, J. C., So. *a* 89 s. m.
 Kittredge, R. D., Fr. *a* 64 Howe st.
 Klein, R. A., Jr. *s* 280 Elm st.
 Kleiner, I. S., Jr. *s* 39 Howe st.
 Klenke, H. F., *Ass't.* (p. 37)
 11 Wooster pl.
 Klett, F. W., Sr. *s* 141 v-s.
 Kline, H. B., Jr. *s* 137 College st.
 Knapp, C. W., Fr. *a* 584 P.
 Knapp, E. M., *mus.* 67 Howe st.
 Knapp, H. H., *Lect.* (pp. 31, 485)
 Bridgeport
 Knapp, S., *Lect.* (p. 31)
 266 Lexington av., N. Y. City
 Knight, A. P., *g* A.
 Knight, H. S., *Ass't. Prof.* (pp. 26,
 154, 355) (38 College st.)
 258 Bradley st.
 Knollmeyer, L. F., Sr. *s* 37 Sylvan av.
 Knott, J. W., So. *a* 228 Crown st.
 Knouse, G. W., *t* 87 East Pearl st.
 Knowles, E., Fr. *a* 231 York st.
 Knowlton, J. C., *t* 88 Howe st.
 Knox, C. M., Fr. *s* 717 w. d.
 Knox, H. S., Fr. *a* 22 College st.
 Knox, J. W., 2 *l* 717 w. d.
 Knox, W. F., So. *a* 263 L.
 Kochersperger, E. S., Jr. *a* 433 FW.
 Kochersperger, R. D., So. *a* 236 Crown st.
 Koehler, W. R., Jr. *a* 317 w.
 Konta, G., Fr. *a* 536 P.
 Kornblut, L. A., 2 *l* Ansonia
 Kountze, H., So. *a* 260 Crown st.
 Kreider, D. A., *Ass't. Prof.* (pp. 26,
 124) (Sloane Lab'y.)
 298 Lawrence st.
 Kreider, J. L., *Ass't.* (pp. 37, 509,
 512) Kent Laboratory
 Kruttschnitt, J., Jr., Jr. *s* 111 Grove st.
 Kunkel, B. W., *Ass't.* (p. 37) 720 w. d.
 Kuyoomjian, K. M., Sr. *d* 632 E. d.
 Lacava, J., 1 *l* 29 High st.
 Ladd, G. T., *Prof.* (pp. 19, 136, 138)
 (275 L.) 204 Prospect st.
 Lagdameo, J., Sr. *for.* 110 Wall st.
 Lagerquist, W. E., Sr. *a* 708 Yale Station
 Lambert, H., *mus.* 64 Whalley av.
 Lambert, H. B., 1 *m* 293 York st.
 Lambert, M. E., *t* 34 Clark st.
 LaMont, C. A., Sr. *a*, 1 *m* 355 WH.
 Lamson, G. C., Sr. *a* 428 FW.
 Lamson, G. H., *g* 64 Lake pl.
 Landon, S. L., So. *a* 22 College st.
 Lane, E. S., Fr. *a* 594 P.
 Lane, L. J., Jr. *s* 67 Howe st.
 Lang, F. W., 1 *l* 333 York st.
 Lang, H. R., *Prof.* (pp. 20, 106, 312,
 319, 322, 324, 326)
 (244 L.) 60 Trumbull st.
 Langdale, F. R., Jr., Fr. *s* 28 Edgewood av.
 Langzettel, G. H., *Ass't.* (pp. 37, 515)
 (Art School) 725 Whitney av.
 Lantz, H., *t* 17 Brown st.
 Larkin, H. F., Jr. *a* 135 F.
 Larkin, W. J., Jr., So. *a* 241 L.
 Larsen, J. A., Fr. *a* 163 York st.
 Lathrop, J. E., Jr. *a* 389 B.
 Lathrop, J. H., Sr. *a* 33 v.
 Lathrop, R. S., *mus.* 130 Howe st.
 Lathrop, W. G., *g*, Grad. *d* Shelton
 Latimer, E. S., Sr. *a* 140 Howe st.
 Latimer, J. I., 2 *m* 333 York st.
 Latimer, R. C., So. *a* 22 College st.
 Lattin, E. E., Fr. *a* 157 F.
 Lattin, R. B., Fr. *s* 159 York st.
 Laub, S. B., So. *a* 119 Wall st.
 La Vake, R. T., Sr. *a* 21 v.
 La Vie, G. A., Jr., So. *a* 289 w.
 Lavigne, D. E., 3 *l* 204 Winthrop av.
 Law, F. E., Jr. *s* 119 Wall st.

Lawless, R. F., 2 m 1151 Chapel st.
 Lawrance, C. L., Sr. a 10 v.
 Lawrence, H. W., Jr., Jr. a 161 F.
 Lawrence, J. H., Fr. a 251 Crown st.
 Lawson, C. J., Fr. s 110 Wall st.
 Lawton, A. R., 3d, Sr. s 133 College st.
Lawton, E. E., Ass't. (p. 37) 120 York st.
 Leach, F. S., g, Mid. d 645 E. D.
Leach, G. S., Ass't. (p. 40) 126 Wall st.
 Leahy, J. T., 2 m 333 York st.
 Leahy, S. R., Sr. m 9 Day st.
Learned, H. B., Instr. (pp. 31, 227, 257, 303) 208 St. Ronan st.
 Leavenworth, H. T., Fr. s 830 Elm st.
 Leavenworth, J. W., Sr. s 96 Wall st.
 LeBlanc, S. A., Sr. a 65 v.
 Ledyard, H., Fr. a 250 York st.
 Lee, E. A., t 32 Pine st.
 Lee, H. D., So. a 1076 Chapel st.
 Lee, R. E., 3 l 283 Crown st.
 Lee, R. I., Fr. s 135 Wall st.
 Leech, R., Jr. a 432 FW.
 Leete, W. R., Fr. a 205 Orchard st.
 Leggett, G. B., Jr. a 378 WH.
 Leggett, W. S., Jr., Jr. s West Haven
 Lemke, W. F., 3 l 342 George st.
 Lenfest, B. A., g 217 English st.
 L'Engle, W. J., Jr., Jr. s 17 Hillhouse av.
 Lennon, E. H., 3 l 349 Elm st.
Lent, F., Instr. (pp. 31, 101, 305, 306, 414) 177 Lawrence st.
 Leonard, N. A., So. a 100 Howe st.
 Leonard, V. N., Fr. s 119 Wall st.
Lester, O. C., Instr. (pp. 31, 216) 93 Edgewood av.
 LeValley, G. S., Fr. a 250 York st.
 Levantino, J. A., 2 l
 Levering, E. W., Jr. s 133 v-s.
 Levine, J. N., f 919 Howard av.
 Levison, J. J., g, Sr. for. 350 George st.
 Levy, A. B., 2 m 69 Audubon st.
 Levy, L. H., g 138 Minor st.
Lewis, C. M., Prof. (pp. 23, 113, 115, 118, 322, 332, 509, 512) (133 F.) 540 Whitney av.
 Lewis, D. P., g A.
 Lewis, E. C., g A.

Lewis, E. H., So. a 22 College st.
Lewis, E. M., Instr. (pp. 31, 417) (609 E. D.) Williamstown, Mass.
 Lewis, Howard B., Fr. a 411 Orange st.
 Lewis, Hubert B., 3 l 333 York st.
 Lewis, H. S., So. a 232 D.
 Lewis, L., Jr. s 49 Howe st.
 Lewis, L. S., Fr. a 22 College st.
 Lewis, W. L., Jr. s 111 v-s.
Leyersapf, L., Cashier (p. 40) 545 Grand av.
 Liebig, O., Fr. s 113 Wall st.
 Liebman, W., Sr. m 765 Grand av.
 Liggett, J. D., Fr. s 1 Hillhouse av.
 Light, N. S., Fr. a 65 York sq.
Lilley, W. A., Jr., Ass't. (p. 37) 37 College st.
 Limauro, L. H., Jr. m 209 Wallace st.
 Lin, Z. F., Fr. s 652 E. D.
Lincoln, Mrs. C. T., Priv. Sec'y. (p. 40) 6 Dayton st.
 Lincoln, N. E., So. a 142 F.
 Linde, J. I., 1 m 83 Lafayette st.
 Lindeman, E. E., Spec. s 102 York sq.
 Linder, A. L., 1 l 373 Crown st.
Lindsley, C. A., Prof. (p. 17) 15 Elm st.
 Links, L., Jr. s 14 Elliott st.
 Linn, H., Fr. s 387 Temple st.
 Linn, W. J., Jr. s 1 Hillhouse av.
 Linsley, A., t 837 Quinpiac av.
 Lipphardt, W. B., Fr. a 5½ Redfield st.
 Lippman, W. E., 1 m 812 Grand av.
 Little, E. S., Sr. a 37 v.
 Little, M. S., So. a 260 Crown st.
 Lobdell, C. W., Sr. s 90 Wall st.
 Lobdell, L., So. a 42 College st.
 Lockhart, C. E., Fr. s 128 v-s.
Lockwood, E. H., Ass't. Prof. (pp. 26, 214) (110 WINCH.) 79 Division st.
 Lockwood, M. D., Jr., So. a 248 L.
 Lockwood, M. L., t 98 Dwight st.
 Lockwood, R. R., So. a 42 College st.
 Loeb, M. J., Fr. s 129 St. John st.
 Lohman, A., f Meriden
 Long, E. G., Fr. s 393 Temple st.
 Loomer, L. L., Jr. s Derby
 Loomis, E. G., 2 l 143 York st.
 Loomis, W. K., Sr. a 66 v.
 Loose, K. D., Jr. s 96 Wall st.
 Lord, F. B., Jr., Jr. a 65 v.

- Lord, L. H., Fr. s 379 Temple st.
 Lordi, I. M., 1 l 135 Wall st.
 Loudenslager, H. H., Sr. a 42 v.
 Loughlin, G. F., g 73 Lake pl.
 Lounsbury, E. H., 3 l 647 E. D.
 Lounsberry, T. R., Prof. (pp. 18, 227, 322, 330) 22 Lincoln st.
 Love, W. C., Fr. s 407 Temple st.
 Lovejoy, Henry S., So. a 247 L.
 Lovejoy, Herman S., g Branford
 Lovelace, W. D., 1 l 371 Crown st.
 Loveland, F. P., Fr. a 242 York st.
 Lovell, A. W., 2 l Waterbury
 Lovell, G. B., Ass't. (pp. 37, 40) 91 Dwight st.
 Lovell, R. L., Fr. s, s for. 122 Wall st.
 Low, G. C. W., Jr. a 442 FW.
 Lowe, A. L., Jr. s 104 Wall st.
 Lowe, G. E., t 340 Grand av.
 Lowe, J. G., So. a 240 D.
 Lowe, J. L., Fr. a 362 Grand av.
 Lowe, L. D., g, Grad. d 612 E. D.
 Lowes, J. E., Jr., Sr. s 17 Hillhouse av.
 Lowndes, T. G., So. a 236 Crown st.
 Lubken, F. L. H. von, g, Sr. d 135 College st.
 Lum, F. A., So. a West Haven
 Lupton, D. R., Sr. s 17 Hillhouse av.
 Lupton, E. R., Jr. a 353 WH.
 Lupton, R. M., Jr. s 119 Wall st.
 Luquiens, F. B., Instr. (pp. 31, 233, 322, 324) 201 Bishop st.
 Luquiens, H. M., g, f Paris, France
 Lust, H. C., 2 l 454 F.
 Luther, C. F., Fr. a 534 P.
 Luther, W. B., g A.
 Lyle, S. A., t 229 Congress av.
 Lyman, E. J., 2 m 157 York st.
 Lyman, H. M., g 90 Whalley av.
 Lyman, W. B., Jr. s 119 Wall st.
 Lynch, A. S., Jr. s Box 854 Yale Station
 Lynch, E. D., Sr. s 17 Hillhouse av.
 Lynch, F. M., t 20 Baldwin st.
 Lynch, G. E., mus. Derby
 Lynch, J. O., mus. 168 Mansfield st.
 Lynham, A., f 736 State st.
 Lyon, C. T., Jr. s 75 Broadway
 Lyon, T. B., Fr. a 278 Orange st.
 Lyon, W. H., Fr. a 242 York st.
 Lyons, B. E., Sr. a 145 F.
 Lyons, J. P., Jr. a 269 L.
- Lyons, M. F., Fr. a 269 L.
 McAllister, C. N., Instr. and Lect. (pp. 31, 135, 138, 284, 286, 290, 513) 266 Edgewood av.
 McAuliff, G., So. a 255 L.
 Macbeth, G. F., Sr. s 133 Wall st.
 McBride, D., Jr. a, s for. 434 FW.
 McCabe, E. M., Instr. (p. 31) 224 Orange st.
 McCandless, T., g A.
 McCarthy, F. M., 3 l Ansonia
 McCarthy, J. C., Fr. a 164 F.
 McChesney, P. E., So. a 174 F.
 McClenon, R. B., g 366 Whalley av.
 McClintock, B. U., So. a 469 FW.
 McClintock, F. S., So. a 470 FW.
 McClintock, W. S., Jr. a 443 FW.
 McClung, T. L., Treasurer (p. 24) (Woodbridge Hall)
 McClure, J. G. K., Jr., Jr. a 305 W.
 McCollum, E. V., g 285 Willow st.
 McCormick, C. B., So. a 22 College st.
 McCormick, R. V., t 148 Putnam st.
 McCoy, F. J., 3 l 315 Crown st.
 McCoy, W. R., Sr. a 57 v.
 McCulloch, F. H., Jr. s 17 Hillhouse av.
 McCullough, A. S., Sr. a 57 v.
 McCune, J. S., Fr. s 413 Temple st.
 McCune, W. P., Jr. a 313 W.
 MacCurdy, G. G., Lect. (pp. 31, 298) (9 m.) 237 Church st.
 McCurdy, R. H., Jr. s 111 Grove st.
 McDermott, P. J., 3 l 643 E. D.
 MacDonald, J. J., 2 m 856 Howard av.
 MacDonald, S. R., s for. A.
 MacDonald, W., 2 l 146 York st.
 McDonnell, R. A., Prof. (p. 24) 1142 Chapel st.
 McDonough, J. P., Sr. for. 38 Hallock st.
 McDowell, N., Jr., Jr. a 440 FW.
 MacDuffie, I. J., Jr., Fr. a 271 L.
 Mace, A. W., Jr. a 357 WH.
 McEnerney, L. F., Fr. s Derby
 McEuen, D. C., Fr. a 225 D.
 McEvoy, F. P., 1 l 333 York st.
 McFarland, M. A., t 287 Willow st.
 MacGaughey, J. D., Jr. 1 m 293 York st.
 McGee, D. A., Jr. a 369 WH.
 McGovern, F. P., mus. 109 View st.

McGrath, J. H., *1 m* 228 Crown st.
 McGraw, C. J., *Fr. a* 96 Howe st.
 McGregor, E. F., *g, Grad. d* 684 W. D.
 MacGuffey, K. R., *Sr. a* 444 FW.
 MacGuire, C. J., Jr., *So. a* 220 D.
 McIntosh, E. F., *Instr. (p. 31)* 192 York st.
 McIvor, J. G., *g, Spec. d* 688 W. D.
 MacKay, D. F., *So. a* 443 FW.
 McKelway, St. C., *Lect. (p. 32)* Brooklyn, N. Y.
 McKenna, A. J., *Fr. a* 220 D.
 McKenna, J. A., *1 l* 128 Wall st.
 McKensie, K., *Instr. (pp. 32, 104, 327)* 67 Mansfield st.
 Mackenzie, K. G., *Fr. s* 115 Dwight st.
 Mackenzie, R. P., *Fr. a* 231 York st.
 Mackenzie, W. H., *Fr. a* 231 York st.
 McKeon, J. J., *f* 53 Liberty st.
 McKinsty, A. P., *Sr. a* 337 WH.
 McKnight, S. T., Jr., *So. a* 22 College st.
 McKone, W. F., *Fr. s* 55 Prospect st.
 McLain, W. A., Jr., *s* 111 V-S.
 McLanahan, C. W., *Sr. s* 96 Wall st.
 MacLane, S. R., Jr., *a* 33 Howe st.
 McLatchey, H. J., *Sr. a* 151 F.
 McLean, A. S., *Sr. s* 148 V-S.
 McLean, F. T., *Fr. s* 293 York st.
 MacLean, M. E., *g* 83 Grove st.
 MacMahon, W. J., *2 l* 36 Elm st.
 McMillan, G., Jr., *s* 110 V-S.
 Macmillan, T. D., Jr., *a* 92 S. M.
 McMillen, W. G., *1 l* 333 York st.
 McMullen, C. B., *g* 64 Lake pl.
 McMullen, R. W., Jr., *s* 150 V-S.
 McNair, E. O., Jr., Jr., *s* 115 V-S.
 McNeas, W. G., Jr., *s* 130 Wall st.
 McOrmond, R. R., *Fr. a* 228 D.
 McQueeney, M. A., *Sr. m* 160 Lamberton st.
 Macrille, E. C., *mus.* West Haven
 McVay, C. H., *Fr. s* 119 Grove st.
 McWeeney, L. R., *Fr. s* 34 Beach st.
 McWilliams, J. A., *t* 173 Livingston st.
 Madden, J. W., *Fr. s* 82 S. M.
 Maddox, R. S., *So. a* 96 Howe st.
 Maddux, R. F., Jr., *s* 101 V-S.
 Madsen, A. A., *g, Grad. d* 682 W. D.
 Magee, J. G., Jr., *a* 331 WH.
 Magnus, A. B., *Fr. s* 397 Temple st.

Magnus, E., Jr., *s* 120 V-S.
 Mailhouse, M., *Lect. (p. 32)* 151 Meadow st.
 Malcolm, A. S., Jr., *a* 388 B.
 Malcolm, C. F., Jr., *s* 74 Lake pl.
 Malcolm, H. L., *So. a* 147 F.
 Malcolm, J. A., *t* 131 Dwight st.
 Malcolm, R. V., *s for.* A.
 Male, E., *t* 140 James st.
 Mallahan, M. A., *t* 90 Asylum st.
 Mallett, D. S., Jr., *a* 135 F.
 Mallory, C., *Fr. a* 578 P.
 Mallory, H. S., *Instr. (pp. 32, 115)* Box 764 Yale Station
 Mallory, J. H., *Fr. a* 237 York st.
 Mallory, P. R., *Fr. a* 242 York st.
 Maltbie, W. M., *3 l* 36 Elm st.
 Mandell, H. J., *So. a* 209 D.
 Manierre, F. E., *So. a* 22 College st.
 Mann, A. N., *Fr. a* 557 P.
 Mann, M. D., Jr., Jr., *s* 17 Hillhouse av.
 Manning, E. K., *Fr. a* 92 S. M.
 Manning, H. S., Jr., *Fr. s* 379 Temple st.
 Mansfield, H. P., *Sr. s* 96 Wall st.
 Mansfield, L. A., *t* 87 Dwight st.
 Manville, K. R., *So. a* 204 D.
 Manwaring, E. W., *g* Bridgeport
 Mara, G. F., *2 l* 163 York st.
 Marble, B. G., *Fr. s* 1589 Chapel st.
 Marcus, E. F., *t* 423 Temple st.
 Marcus, W. E., Jr., Jr., *a, s for.* 434 FW.
 Marcy, E. L., *2 m* 355 Lenox st.
 Markoe, F. H., Jr., Jr., *a* 1151 Chapel st.
 Marks, S. S., *Fr. a* 250 York st.
 Marsden, W. E., *Sr. a* 392 B.
 Marsh, A. D., *1 m* 1012 Whalley av.
 Marsh, E. S., *mus.* Bridgeport
 Marsh, F. G., *Fr. a* 233 York st.
 Marsh, H. P., *g* 89 Whalley av.
 Marsh, L. W., *Fr. s* 55 Prospect st.
 Marsh, R. J., *Fr. s* 93 Fountain st.
 Marshall, B. G., *Sr. s* 146 V-S.
 Marshall, J. W., *Fr. s* 83 Sachem st.
 Marshall, R. D., *So. a* 247 L.
 Marshall, T. M., *3d, Fr. a* 237 York st.
 Marshall, W. C., *Ass't. Prof. (pp. 26, 122, 210, 212, 509, 513)* (114 WINCH.) 313 Crown st.
 Marston, R. L., *Ass't. Prof. (pp. 27, 386, 391)* 238 Prospect st.

- Marston, T., Fr. s 106 v-s.
 Martin, H., g 102 DeWitt st.
 Martin, J. S., Sr. m 87 Park st.
 Martin, N. A., Fr. s 419 Temple st.
 Martin, S. E., Sr. s 133 College st.
 Mason, G. C., So. a 254 Crown st.
 Mason, M., Instr. (pp. 32, 212, 351) 20 Dwight st.
 Mason, R. M., g A.
 Mason, W. L., Fr. a 169 F.
 Massie, G. W., Sr. a 151 F.
 Mast, W. H., Sr. for. 58 Mansfield st.
 Mather, A. S., So. a 22 College st.
 Mather, S. L., Sr. a 45 v.
 Mathewson, A., Jr. s 128 Wall st.
 Mathewson, H. B., Fr. s Milford
 Matthews, J. L., Sr. a 27 v.
 Maurer, O. E., Mid. d 629 E. D.
 Mautte, J., Engineer (p. 40) Dudley st., Highwood
 Maxson, R. N., Ass't. (p. 37) 387 Crown st.
 Mayer, F. A. O., f 333 York st.
 Mayer, M. M., Priv. Sec'y. (p. 40) (3 s. H.) 475 Elm st.
 Mayesawa, H., Sr. s 2 B. M. H.
 Maynard, C., g Cheshire
 Maynard, J. F., Jr., Sr. s 131 Grove st.
 Maynard, W. A., Ass't. (p. 40) (25 L. H.) 67 Gilbert av.
 Mayo, N. B., Fr. s 126 High st.
 Meacham, L. O., Jr. s 111 Grove st.
 Meacham, R. D., Fr. s 400 Temple st.
 Mead, B. H., Jr. a 132 F.
 Mead, H., So. a 670 w. d.
 Meade, H. B., Sr. s 65 Grove st.
 Meier, D. I., Sr. a 302 w.
 Meigs, D. R., So. a 22 College st.
 Mell, C. D., Sr. for. 52 Lake pl.
 Mellier, A. M., Jr. s 106 v-s.
 Meloney, C. W., Fr. s 8 B. M. H.
 Mendel, L. B., Prof. (pp. 24, 224, 344, 512) (63 B. L.) 18 Trumbull st.
 Mendell, C. W., g 75 s. M.
 Mendillo, A. J., 2 m 86 Canal st.
 Mendoza, A., g 88 Wall st.
 Menge, G. A., Ass't. (p. 37) 114 Howe st.
 Mengel, C. C., Jr., Fr. a 242 York st.
 Mercer, I. A., t 69 Howe st.
 Mercer, T. F., Fr. s 379 Temple st.
 Meritt, E. L., g 435 Elm st.
 Merriam, C. G., So. a 204 D.
 Merriam, C. H., Lect. (p. 385) Washington, D. C.
 Merrill, R. M., s for. A.
 Merriman, A. M., Priv. Sec'y. (p. 40) (615 E. D.) Westville
 Merritt, A. K., Registrar (p. 27) (L. H.) 38 v.
 Merritt, A. R., Sr. a 354 WH.
 Merryman, Mrs. B. S., t 45 Sherland av.
 Mersereau, E. L., Jr. a 294 w.
 Mersereau, R. W., Sr. a 427 FW.
 Mertz, L. W., Jr. s 96 Wall st.
 Merwin, M. E., 3 l 283 Crown st.
 Merwin, M. G., Jr. s 132 Wall st.
 Messerly, C. E., Jr., Fr. a 250 York st.
 Messinger, C. R., Jr. s 96 Wall st.
 Metzger, J. J., So. a 249 L.
 Meyer, A. C., Fr. s 126 Wall st.
 Meyer, C. E., Jr. m 371 Crown st.
 Meyer, G. C., Sr. s 111 Grove st.
 Meyer, H. G., Jr. a 460 FW.
 Meyer, S. M., So. a 236 Crown st.
 Meyer, W. E., g A.
 Meyrowitz, E. D., Jr. s 88 Wall st.
 Middlebrook, R., Jr., So. a 279 L.
 Milbank, H., Sr. a 3 v.
 Miles, A. D., Ass't. (p. 37) 98 Yorksq.
 Miles, M. C., mus. Milford
 Milholland, W. H., Fr. a 165 F.
 Millard, C. I., Lect. (p. 388) Chicago, Ill.
 Miller, C. L., Jr. d 665 w. d.
 Miller, D., Fr. a 231 York st.
 Miller, Mrs. G. L., Lib'n. and Clerk (p. 40) 43 Livingston st.
 Miller, H., g A.
 Miller, J. F., 3 l 108 High st.
 Miller, J. M., Ass't. (p. 37) (Sloane Lab'y.) 72 s. M.
 Miller, J. R., So. a 252 L.
 Miller, J. Z., Sr. a 320 w.
 Miller, L. V., Fr. a 237 York st.
 Millerd, H. I., Fr. s 148 F.
 Mills, A., mus. 85 Howe st.
 Mills, A. K., Sr. a 694 w. d.
 Mills, E. S., Jr. a 369 WH.
 Mills, S. H., Sr. s 120 High st.
 Mims, S. L., g 716 w. d.
 Miner, E. F., Fr. s 114 High st.
 Minford, T., Jr., Fr. s 113 Wall st.

Minor, W. T., 3 l 271 Orange st.
 Misawa, T., g 105 Park st.
 Mitchell, C. R., Jr. m 668 w. d.
 Mitchell, J. L., Fr. a 22 College st.
 Mitchell, M. L., Fr. a 237 York st.
 Mitchell, P. H., g 98 York sq.
 Mitke, A. C., Fr. a 120 York st.
 Mixter, W. B., Sr. s 132 Wall st.
 Mixter, W. G., Prof. (pp. 19, 237, 336) (160 S. L.)

250 Edwards st.
 Moeller, C., mus. 349 Crown st.
 Mohlman, A. J., Fr. a 242 York st.
 Momikura, S., Jr. d 714 w. d.
 Monahan, C. J., Jr. s 114 High st.
 Monzani, J. T., Jr. a 421 B.
 Moody, S. E., g 143 Dwight st.
 Moon, D. H., Jr., Jr. s 111 Grove st.
 Mooney, W. C., Jr., So. a 215 D.
 Moore, B., Jr. a 457 FW.
 Moore, C. E., 1 l 255 Crown st.
 Moore, D. L., Jr. a 406 B.
 Moore, E. W., Jr. s 111 Grove st.
 Moore, Francis W., So. a 408 B.
 Moore, Frank W., Secretary Acad. Dep't. Y. U. C. A. (p. 41)

Dwight Hall
 Moore, H. B., Jr., So. a 417 B.
 Moore, H. T., g Mem. Hall
 Moore, J. K., Spec. d 101 Dwight st.
 Moore, J. W., Fr. a 575 P.
 Moore, P., Fr. a 242 York st.
 Moore, R. R., Fr. s 405 Temple st.
 Moore, S. L., g, Jr. for. 22 Whalley av.

Moorhead, J. U., Fr. s 110 Wall st.
 Moorhead, W. S., Jr. a 464 FW.
 Morehead, J. C., g 310 York st.
 Mores, L. M. deV. de., Jr. s 1 Hillhouse av.

Morgan, A. L., g 933 Elm st.
 Morrill, A. F., Spec. l 36 Elm st.
 Morrill, W. J., Sr. for. 710 w. d.
 Morris, D. M., Jr. s 111 Grove st.
 Morris, E. P., Prof. (pp. 20, 91, 93, 317, 509, 513) 53 Edgehill road
 Morris, R. B., So. a 129 F.
 Morris, R. C., Instr. (pp. 32, 487) 767 Fifth av., N. Y. City

Morrish, R. H., Fr. a 537 P.
 Morrison, A. W., Jr. a 236 D.
 Morrison, P. L., So. a 226 D.
 Morrison, R. P., Sr. a, 1 m 400 B.
 Morse, C. M., Jr. a 402 B.

Morse, R. C., Jr., Secretary Scientific Dep't. Y. U. C. A. (p. 41)

B. M. H.
 Morse, S. F. B., Fr. a 22 College st.
 Morton, S. B., Proctor (p. 41)

90 S. M.
 Moseley, C. L., Jr. s 104 v-s.
 Moss, A. C., 1 l 333 York st.
 Mosser, P. S., Fr. s 400 Temple st.
 Mossman, G. L., f 475 Orange st.

A.
 Mott, R., g
 Moulthrop, A. F., mus. 620 Orange st.
 Moyer, R., So. a 155 Elm st.
 Mullens, H. S., g 59 Grove st.
 Mulligan, W. J., Spec. l 36 Elm st.
 Mulville, W., 2 l 674 w. d.

Munger, Theodore T., Fellow 202 Prospect st.
 Munger, Thornton T., Sr. a 465 FW.
 Munro, J. A., Sup't. Carpentry Dep't. (p. 41) (88 High st.) 88 Lake pl.
 Munson, C. L., Lect. (pp. 32, 487)

Williamsport, Pa.
 Munson, E., 1 l 155 Elm st.
 Munson, G. S., 1 l 155 Elm st.
 Munson, J. G., Sr. s 133 Wall st.
 Munson, S. R., f 31 Norton st.

Murch, H. S., Ass't. (p. 38) 1233 Chapel st.

Murchie, W. E., Fr. s 409 Temple st.

Murphy, C. C., Jr. m 102 York sq.
 Murphy, C. S., Spec. l 159 York st.
 Murphy, F. T., Fr. a 238 York st.
 Murphy, H. J., 1 l 179 Blatchley av.
 Murphy, J. W., Fr. a 592 P.
 Murray, J. H., Gardener (p. 41) 227 Mansfield st.

Murray, S. C., Fr. s 113 Wall st.
 Myers, E. B., Sr. a 145 Franklin st.
 Myers, G. H., Lect. (pp. 32, 392)

Washington, D. C.
 Myers, L. R., Fr. a 148 F.
 Myers, W. D., Sr. a 414 B.

Nadler, A. G., Ass't. (p. 38) 122 Olive st.

Naething, F. S., Fr. s 409 Temple st.
 Nahigan, M. N., 2 m 11 Lake pl.

Nairn, G., Fr. a 1076 Chapel st.
 Nakagawa, S., g 330 Crown st.

Nardello, T., 3 l 215 York st.
 Nase, R. L., 2 l 36 Elm st.

Nash, L. P., g Holyoke, Mass.

- Nathanson, M. D., Jr. *s* 142 Lafayette st.
- Neal, C. T., Sr. *a* 54 v.
- Neal, H. C., Fr. *a* 271 L.
- Neel, H. C., Sr. *for.* 634 E. D.
- Neeser, R. W., Jr. *a* 313 w.
- Neeson, C. R. J., Jr. *s* 13 Lake pl.
- Nelson, H. C., Jr. *a* 353 WH.
- Nelson, H. S., Jr. *s* 70 Houston st.
- Nelson, J. M., Jr., Sr. *for.* 25 Whalley av.
- Nettleton, F. H., Fr. *a* 264 Lloyd st.
- Nettleton, G. H., *Instr.* (pp. 32, 232) 339 Prospect st.
- Nettleton, M. S., Jr. *s* 46 College st.
- NeuenSchwander, E., *g* 723 Elm st.
- Nevin, C. C., *i m* 373 Crown st.
- Nevin, J. D., Sr. *s* 137 College st.
- Nevin, S. W., Sr. *s* 125 High st.
- Newberry, J. S., Jr. *a* 343 WH.
- Newell, A. M., *mus.* Orange
- Newell, E. T., So. *a* 260 Crown st.
- Newell, F. H., *Lecturer* (pp. 32, 385) Washington, D. C.
- Newton, H. D., *g* 42 Lake pl.
- Nicholas, G., *2 l* 36 Elm st.
- Nichols, C. W., Sr. *a* 85 s. M.
- Nichols, G. E., *g* 565 P.
- Nichols, H. L., Fr. *s* North Haven
- Nichols, J. B., Fr. *s* 393 Temple st.
- Nichols, W. D., Jr. *a* 135 Temple st.
- Nichols, W. S., *Lect.* (p. 32) Newark, N. J.
- Nicholson, W., *g* 341 Crown st.
- Nickerson, H. L. R., Sr. *a, i m* 159 York st.
- Niemeyer, J. H., *Prof.* (pp. 18, 152, 353) (8 Art School) 251 Lawrence st.
- Niles, I. D., Jr. *s* 117 Wall st.
- Noble, E. J., Sr. *a* 13 v.
- Noble, H. D., Jr., Fr. *a* 250 York st.
- Noble, L. F., Sr. *a* 321 w.
- Noble, W. C., Jr., Jr. *s* 11 Audubon st.
- Nolan, A. B., *t* 59 Kimberly av.
- Norman, A. C., Sr. *a* 286 w.
- Norman, G., *t* 46 Avon st.
- Norman, L., *t* 57 Kensington st.
- Norris, F. E., Fr. *a* 558 P.
- Norris, G. E., Jr. *s* 142 v-s.
- North, O. B., Fr. *a* 83 Pearl st.
- Norton, C. H., Fr. *s* 419 Temple st.
- Norton, J. P., *Instr.* (pp. 32, 146, 149, 297) 563 Orange st.
- Notestein, W., *Ass't.* (p. 38) 1233 Chapel st.
- Noy, J. I., *t* 109 Ellsworth av.
- Noyes, C. R., Sr. *a* 6 v.
- Noyes, D. K., So. *a* 79 s. M.
- Noyes, D. R., Sr. *a* 31 v.
- Noyes, F. K., So. *a* 245 L.
- Noyes, H., Fr. *a* 242 York st.
- Noyes, I. H., *i m* 91 Park st.
- Noyes, R. H., Fr. *a* 242 York st.
- Nugent, T. E., Mid. *d* 697 w. D.
- Nuhn, F. L., Sr. *a* 26 v.
- Nuhn, F. W., Spec. *l* 506 Elm st.
- Nunnally, G. W., Sr. *a* 284 w.
- Nussman, G. S. A., Sr. *d* 12 Lawrence st.
- Obieta, J., Grad. *l* 14 Whalley av.
- O'Brien, F., Jr. *a* 424 FW.
- O'Brien, Joseph F., *i m* 925 Howard av.
- O'Brien, M. E., *3 l* Bridgeport
- O'Connell, J. E., Sr. *m* 961 State st.
- O'Connell, L. C., *mus.* West Haven
- O'Connor, C. W. S., Spec. *l* 96 s. M.
- O'Connor, G. H., Sr. *s* 143 v-s.
- O'Connor, J. K., Fr. *s* 379 Temple st.
- O'Connor, K. A., *mus.* Middletown
- O'Donnell, C., *t* 220 Davenport av.
- O'Donnell, F. J., Fr. *s* 153 v-s.
- Oelschlegel, B. C., *i l* 281 Crown st.
- Oertel, H., *Prof.* (pp. 23, 94, 99, 315, 317, 321, 325) 2 Phelps
- Ogden, K. C., Sr. *s* 149 v-s.
- Ogle, G. B., Jr. *a* 350 WH.
- Okami, K., *g* 925 Howard av.
- Okudairo, M., *g* 159 York st.
- Olds, H. V., Sr. *s* 132 Wall st.
- Olds, I. S., So. *a* 254 Crown st.
- Oleson, D. L., Sr. *a* 159 York st.
- Oliver, C., So. *a* 22 College st.
- Oliver, D. L., Fr. *s* 425 Temple st.
- Oliver, S. K., Sr. *s* 119 v-s.
- Olmstead, B. H., So. *a* 142 F.
- Olmstead, R., *t* 1239 Chapel st.
- Oman, A. E., Jr. *for.* 238 Prospect st.
- Onasch, H. P., Jr. *a* 81 s. M.
- O'Neil, E., *mus.* 266 Whalley av.
- O'Neil, J. M., *t* Waterbury
- O'Neill, D. L., *3 l* 608 E. D.
- Orcutt, E. E., So. *a* 435 Elm st.

- Ord, H. J., Ass't.* (pp. 38, 389)
 126 Wall st.
Ordway, J. G., Fr. s 421 Temple st.
Ordway, P. S., Fr. a 521 P.
Ordway, S. G., Fr. a 250 York st.
Ortmayer, A. C., Jr. s 96 Wall st.
Osborn, H. M., Bursar (p. 41)
 (25 L. H.) 406 Orange st.
Osborn, M. A., So. a 254 Crown st.
Osborne, A. D., 2d, Fr. a
 52 Trumbull st.
Osborne, L., t 260 Edgewood av.
Osborne, O. T., Prof. (p. 22)
 252 York st.
Osborne, R. W., Jr. a 259 L.
Osborne, W. V., Jr. s 88 Wall st.
Osgood, C. G., Jr., Instr. (pp. 32,
 115, 333) 67 Mansfield st.
Ostrum, C., Sr. a 53 Prospect st.
O'Sullivan, P. B., Fr. a Derby
Otis, C. P., So. a 396 B.
Overall, S. R., Fr. a 217 York st.
Oviatt, L. P., mus. Milford
Owen, C. H., 3 l 146 York st.
Owsley, J. E., Sr. s 131 Grove st.

Pace, M. A., g 131 Dwight st.
Packer, A. D., g A.
Paine, A. R., Jr. s 152 v-s.
Palmer, A. H., Prof. (pp. 21, 109,
 328, 330) 149 East Rock road
Palmer, C., Sr. s 108 v-s.
Palmer, C. R., Fellow
 562 Whitney av.
Palmer, E. H., g 445 George st.
Palmer, E. S., Jr. s
 149 East Rock road
Palmer, H., Sr. a 286 w.
Palmer, H. E., So. a Branford
Palmer, R. L., Jr. s Bridgeport
Palmer, W. H., Sr. a Branford
Palmerton, A. B., Sr. a 50 v.
Park, R., Jr., Fr. s 387 Temple st.
Parker, C. F., mus. 599 Whitney av.
Parker, E. P., Fellow Hartford
Parker, F. A., So. a 138 F.
Parker, H. E., Jr. s 652 Dixwell av.
Parker, H. G., Jr. s 311 George st.
Parker, H. R., 3 l 157 York st.
Parker, H. W., Prof. and Dean (pp.
 22, 153, 354) (126 College st.)
 599 Whitney av.
Parker, J., 3d, Fr. s 391 Temple st.
Parker, J. E., Jr. m 153 Dwight st.

Parker, J. W., Jr., Jr. m
 404 Ferry st.
Parker, R. T., Fr. s 290 York st.
Parker, W. W. W., g A.
Parkhurst, G. G., Jr. a 108 High st.
Parks, G. E., 1 l 155 Elm st.
Parlato, M. A., 1 m Derby
Parlow, A. E., t 102 Liberty st.
Parmelee, A. N., So. a 1076 Chapel st.
Parmelee, J. H., Ass't. (p. 38) 202 D.
Parrish, G. F., Jr. a 1076 Chapel st.
Parsons, C. A., t 196 Blatchley av.
Parsons, E. B., So. a 251 L.
Parsons, H. A., Fr. s 419 Temple st.
Parsons, L. A., Fr. s 128 High st.
Partridge, E., Fr. s 395 Temple st.
Pasco, M. K., Jr., Sr. a 466 FW.
Paterson, R. L., Jr. s 140 v-s.
Patten, G., 3 l 157 York st.
Patterson, G. L., Spec. d 683 w. D.
Patterson, S. T., Fr. a 236 Crown st.
Patterson, W. L., 1 m 120 York st.
Paulson, C., Spec. d 112 Dixwell av.
Payton, E. S., Jr. a 419 B.
Peabody, Prof. F. G., Lect. (p. 32)
 Cambridge, Mass.
Peabody, S., Jr., Fr. s 118 College st.
Pease, M. H., Sr. a 20 v.
Peck, E., Instr. (pp. 32, 477, 479,
 483) Bristol
Peck, E. D., Jr. s 280 L.
Peck, J. S., Fr. s 421 Temple st.
Peck, R. E., Instr. (p. 32)
 56 Howe st.
Peck, T., Prof. (pp. 19, 92, 98, 317,
 320) 124 High st.
Peck, T. G., Jr., Fr. a 250 York st.
Peek, C. H., Sr. a 354 WH.
Peieff, N. E., So. a 21 Lynwood pl.
Peirce, G. A., Fr. a 250 York st.
Pelton, V., f Middletown
Pendleton, F. T., Jr. a 166 Oak pl.
Pendleton, H. M., Priv. Sec'y. (p. 41)
 (90 High st.) 827 Whitney av.
Penfield, S. L., Prof. (pp. 21, 208,
 212, 221, 340)
 (180 K.) 239 Edwards st.
Pentz, H. H., s for. A.
Percy, K. G., So. a 240 D.
Perkins, C. C., Sr. s B. M. H.
Perrin, B., Prof. (p. 19) A.
Perrin, H. B., So. a 326 w.
Perrin, L. J., Jr. a 424 FW.
Perrin, L. W., Fr. a 328 w.

- Perry, C. C., *g* 686 W. D.
Perry, E. C., Sr. *a* 2 v.
Perry, J. H., *Lect.* (pp. 32, 488)
Southport
Perry, Mrs. M. B., *mus.*
1044 Chapel st.
Perry, W. A., Fr. *a* 420 B.
Perry, W. H., *g* Oxford
Persons, F. T., Spec. *d* 681 W. D.
Peter, W. F., 2d, Sr. *a* 68 v.
Peters, J. P., Fr. *a* 552 P.
Peters, W. H., Jr. *a* 297 W.
Peters, W. R., Jr., Fr. *a* 552 P.
Peterson, C. A., *g* 855 State st.
Pettee, L. G., *g* A.
Pettengill, H. J., Jr., Fr. *s*
411 Temple st.
Peverley, R. S., Jr. *s* 82 Wall st.
Pfeiffer, R. E., So. *a* 74 S. M.
Phelps, C. D., *Instr.* (p. 32)
West Haven
Phelps, H. B., *Clerk and Sec'y.*
(p. 41) 67 Dwight st.
Phelps, I. K., *Instr.* (pp. 33, 125, 339)
(Kent Lab'y.) 37 College st.
Phelps, J. C., Jr. *a* 290 W.
Phelps, M. E., Jr. *s* 1 Hillhouse av.
Phelps, M. G., *t* 90 Exchange st.
Phelps, W. L., *Prof.* (pp. 23, 115,
332) (70 S. M.) 44 High st.
Phillips, A. W., *Prof. and Dean*
(pp. 20, 121) (90 High st.)
209 York st.
Phillips, D. C., Jr., Fr. *a* 248 York st.
Phillips, E. J., Sr. *a* 451 Howard av.
Phillips, E. K., *f* Bridgeport
Phillips, F. L., Jr. *m* 141 York st.
Phillips, J. L., Fr. *a* 248 York st.
Phipps, H., Fr. *a* 22 College st.
Phipps, L. C., Fr. *s* 405 Temple st.
Pickhardt, O. C., Fr. *a* 250 York st.
Pierce, B. A., *mus.* South Britain
Pierce, F. E., *g* 1076 Chapel st.
Pierce, J. N., Mid. *d* Mt. Carmel
Pierpont, J., *Prof.* (pp. 23, 123, 349)
42 Mansfield st.
Pierson, A. H., *g*, Jr. *for.*
42 Lake pl.
Pierson, P. H., Fr. *a* 261 L.
Pigott, J. T., Jr., Fr. *a* 596 P.
Pinchot, G., *Prof.* (pp. 24, 391, 396)
Washington, D. C.
Pinkus, W. D., Jr. *s* 114 v-s.
Piper, W. B., Sr. *for.* 8 Prospect pl.
Pirsson, L. V., *Prof.* (pp. 22, 208,
212, 341) (186 K.)
41 Trumbull st.
Pitman, F. W., *g* 119 Gilbert av.
Plankinton, W. W., Jr. *s* 115 v-s.
Platt, E. C., Sr. *s* 110 v-s.
Platt, L., So. *a* 22 College st.
Platt, M. B., *t* 1194 Chapel st.
Plimpton, S. J., Sr. *s* 333 York st.
Podall, H. C., 2 *m* 189 Meadow st.
Pomeroy, H. B., *g* A.
Pomeroy, L. A., Sr. *a*, 1 *m* 36 v.
Pond, E. L., Jr., 2 *l* 333 York st.
Pond, H. S., Fr. *a* 128 Howe st.
Pond, W. A., Jr. *s* 128 Howe st.
Porteous, L. R., Fr. *s* 152 Grove st.
Porter, C. T., 2d, Fr. *s* 407 Temple st.
Porter, D. W., Fr. *a* 215 Whitney av.
Porter, E. H., Fr. *a* 570 P.
Porter, E. M., Fr. *a* 138 P.
Porter, F. B., Sr. *a* 426 FW.
Porter, F. C., *Prof.* (pp. 21, 305, 309,
407, 515) (611 E. D.)
266 Bradley st.
Porter, G. C., Fr. *a* 1173 Chapel st.
Porter, G. F., *g* A.
Porter, L. C., Mid. *d* 631 E. D.
Porter, S., Sr. *a* 61 v.
Porter, T. F., Jr., 2 *l* 399 Elm st.
Potter, G. B., So. *a* 218 D.
Potter, R. C., 2 *m* 899 Howard av.
Pouzzner, B. S., 2 *l* 14 Gold st.
Powell, S. D., *Ass't.* (p. 38)
105 Dwight st.
Pratt, C. R., Sr. *m* 440 Howard av.
Pratt, E. L., Fr. *a* 291 W.
Pratt, M. B., Sr. *for.* 104 Prospect pl.
Pratt, W. B., Jr. *a* 460 FW.
Pratt, W. T., Fr. *s* 128 High st.
Prendergast, R., Jr. *a* 288 W.
Prentice, B. H., Sr. *a* 64 v.
Prentice, R. H., So. *a* 42 College st.
Prentice, S. O., *Prof.* (pp. 20, 476,
481) Hartford
Prentiss, M., Jr. *s* 133 College st.
Preston, F. A., Jr. *s* 17 Hillhouse av.
Preston, K., Fr. *a* 27 College st.
Price, C. W., Jr. *a* 292 W.
Price, O. W., *Lect.* (p. 33)
Washington, D. C.
Price, V. D., Jr., Jr. *a* 376 WH.
Price, W. E., Jr. *a* 348 WH.
Prichitt, H. K., Fr. *s* 133 College st.
Prigmore, J. D., *g*, Grad. *d* 695 W. D.

Pritchard, W. S., Proctor (p. 41)

562 P.

Proper, M. F., *f* 27 College st.
Provost, A. G., Sr. *m* 333 Cedar st.
Pruden, R. G., Jr. *a* 348 WH.
Przelomiec, J. L., *t* 199 Foster st.
Pugsley, E., Fr. *a* 551 P.
Purdue, J. M., *t* 24 Orchard st.
Purinton, H. B., Jr. *s* 333 York st.
Putney, A. H., *g* A.

Queenan, J. W., Jr. *s* 274 Derby av.
Quentin, G. W., Fr. *s* Whitneyville
Quill, J. J., 2 *l* 36 Elm st.
Quinlan, E. J., So. *a* Meriden
Quinlan, F. T., Fr. *s* 722 Elm st.
Quinn, B. J., Jr. *a* 216 D.
Quinn, M. J., Fr. *a* 157 P.
Quirk, G. G., So. *a* 1076 Chapel st.

Rabold, C., Instr. (pp. 33, 154, 355, 515) 127 E. 46th st., N. Y. City

Rae, W. L., Fr. *a* 238 York st.
Rainsford, W. K., *g*, Jr. *for.* 182 Mansfield st.

Ralston, H. G., Jr. *a* 447 FW.

Ramsay, O. G., Prof. (p. 24) 251 Church st.

Ramsey, James P., Fr. *s* 379 Temple st.

Ramsey, John P., Fr. *s* 379 Temple st.

Ramskill, J. H., Jr. *for.* 53 Lake pl.

Rand, R. F., Ass't. (p. 38) 1173 Chapel st.

Randall, D. L., Ass't. (p. 38) 606 E. D.

Randall, I., Jr. *s* 82 Wall st.

Randolph, W. F., Jr. *d* 646 E. D.

Raphael, S. S., *f* 121 Lafayette st.

Rathbone, J. C., Jr. *s* 131 Grove st.

Rathvon, H. M., Sr. *s* 96 Wall st.

Rauers, J. M., Fr. *s* 101 v-s.

Raymond, E., Fr. *a* 380 WH.

Raymond, H. A., Sr. *a* 32 v.

Raymond, K. V., Fr. *s* Rowayton

Raynolds, E. V., Prof. (pp. 22, 494) 77 Elm st.

Rea, J. D., *g* Farmington

Read, A. D., *g*, Jr. *for.* 22 Whalley av.

Rebmann, J., Sr. *for.* 69 Division st.

Recknagel, A. B., *g*, Jr. *for.* 8 Prospect pl.

Reed, E. B., Ass't. Prof. (pp. 27, 115, 118) 351 WH.

Reed, E. S., *mus.* 302 Lawrence st.

Reed, S. F., Jr. *a* 120 High st.

Rees, G. H., Fr. *a* 209 D.

Rehberg, E. F., *f* 179 Rosette st.

Reich, J., 2 *l* 126 Wall st.

Reid, A. M., Sr. *a* 33 v.

Reid, D. C., Spec. *d* 620 E. D.

Reid, O. M., 1 *l* 1076 Chapel st.

Reigeluth, R. J., Fr. *a* 276 Prospect st.

Reilly, J. B., Jr., Sr. *a* 28 v.

Reilly, J. E., Fr. *s* Shelton

Reimann, L. G., *t* 113 Lawrence st.

Renfrew, J. M., Fr. *s* Allingtown

Rennell, H. H., Jr. *s* 124 v-s.

Rettger, L. F., Instr. (pp. 33, 217, 227, 345)

(12 s. H.) 143 Dwight st.

Revell, F. H., Jr., So. *a* 254 Crown st.

Reynolds, A. E., *t* West Haven

Reynolds, D. L., Fr. *a* 250 York st.

Reynolds, E. B., Fr. *s* 387 Temple st.

Reynolds, H. M., Prof. (pp. 21, 95, 315) 221 Church st.

Rice, C. B., Instr. (pp. 33, 216)

(56 N. S. H.) 61 Huntington st.

Rice, H. I. B., *g* 139 Dwight st.

Rice, J. P., Instr. (pp. 33, 233) 431 FW.

Rice, W. O., 2 *m* 116 High st.

Rich, H. P., So. *a* 1076 Chapel st.

Richard, H. M., Sr. *a*, 1 *m* 621 Howard av.

Richards, C. B., Prof. (pp. 18, 122, 214, 243, 351)

(111 WINCH.) 227 Edwards st.

Richards, E. L., Prof. (pp. 18, 121)

(167 F.) 315 York st.

Richards, F. O., *mus.* 328 First av.

Richards, L., Jr., Fr. *a* 237 York st.

Richardson, E., Sr. *s* 139 v-s.

Richardson, G., Sr. *a* 60 v.

Richardson, O. H., Ass't Prof. (pp. 27, 140, 142, 301) 284 Orange st.

Richardson, R. G. D., Instr. (p. 33) 120 York st.

Richardson, W., Fr. *a* 584 P.

Rickcords, F. S., Sr. *a* 435 FW.

Ridgway, C., Fr. *s* 407 Temple st.

Ridgway, C. S., Jr., Jr. *a* 349 WH.

Riggs, H. W., So. *a* 217 D.

Riggs, M. B., Jr. *a* 405 B.

- Riggs, N. J., *t* 252 Orchard st.
 Riley, H. A., Fr. *a* 452 FW.
 Riley, I. W., *g* 77 Elm st.
 Riley, M. T., So. *a* 452 FW.
 Ringland, A. C., Sr. *for.* 643 E. D.
 Rinke, A. W., Jr. *a* 376 WH.
 Ripley, A. L., *Fellow* Boston, Mass.
 Riser, D. R., *g* 64 Lake pl.
 Riter, J., Fr. *s* 395 Temple st.
 Rivkin, D. S., 3 *l* 663 Howard av.
 Robbins, C. F., Jr., So. *a* 260 Crown st.
 Robbins, F. O., *Instr.* (pp. 33, 233) 215 Livingston st.
 Roberts, C. A., 2 *l* 662 W. D.
 Roberts, George, Sr. *a* 337 WH.
 Roberts, Graham, Sr. *s* 111 Grove st.
 Roberts, H. M., Sr. *s* 82 Wall st.
 Roberts, J. T., Sr. *a* 30 v.
 Robertson, F. C., Jr. *a* 436 FW.
 Robertson, H. R., Jr. *s* 44 Elm st.
 Robertson, W. H., Fr. *a* 567 P.
 Robinson, C., *Lect.* (pp. 33, 298) Northampton, Mass.
 Robinson, G., So. *a* 251 Crown st.
 Robinson, H. H., *Instr.* (pp. 33, 128, 130, 342) 1331 Chapel st.
 Robinson, J. N., Jr. *a* 445 FW.
 Robinson, L. K., Jr. *s* 1 Hillhouse av.
 Robinson, M. A., *g* 118 Grand st.
 Robinson, N. E., *t* Montowese
 Robinson, S. H., *t* 811 Orange st.
 Robinson, W. B., Fr. *s* 425 Temple st.
 Robinson, W. G., Jr. *a* 370 WH.
 Robison, P. G., Fr. *a* 209 D.
 Rockwell, F. H., Jr. *a* 27 v.
 Rockwell, S. P., Fr. *s* 110 Wall st.
 Rodd, T., Jr., Jr. *s* 17 Hillhouse av.
 Roderick, R., Jr. *s* 120 College st.
 Rodgers, W. S. S., Jr., Fr. *s* 413 Temple st.
 Roeder, C. A., 2 *m* 373 Crown st.
 Roesler, M., Sr. *s* 133 Wall st.
 Rogers, E. P., Sr. *a* 10 v.
 Rogers, H. W., *Prof. and Dean* (pp. 20, 480 ff.) (HENDRIE HALL) 413 Orange st.
 Rogers, J. F., Sr. *m* 78 Lake pl.
 Rogers, J. G., Sr. *a* 55 v.
 Rogers, J. T., Sr. *s* 149 v-s.
 Rogers, O. H., *Lect.* (p. 33) N. Y. City
 Rogers, P., Jr., Jr. *a* 345 WH.
 Rogers, R. L., Jr. *a* 297 W.
 Rohne, C. S., Fr. *s* 59 Grove st.
 Roman, F. W., *g* 361 Orange st.
 Roome, H. L., So. *a* 22 College st.
 Rooney, F., Sr. *a* 216 D.
 Root, R. K., *Instr.* (pp. 33, 115, 509, 512) 26 Edgewood av.
 Roraback, A. E., Sr. *d* 701 W. D.
 Roraback, J. C., 3 *l* 701 W. D.
 Rorer, W. D., *g* 24 Maple st.
 Rosen, B. J., Jr. *m* 52 Lafayette st.
 Rosenbaum, H. A., So. *a* 254 L.
 Rosenbaum, J., Fr. *s* 31 Spruce st.
 Rosenbaum, S. B., Fr. *s* 31 Spruce st.
 Rosenberg, R. W., Fr. *a* 156 Grove st.
 Rosenfeld, M. A., So. *a* 1076 Chapel st.
 Rosenn, G. J., Fr. *a* 217 York st.
 Ross, A. H. D., Jr. *for.* 68 Whalley av.
 Ross, F. A., Fr. *s* 35 Shelton av.
 Roswell, E., *t* Stratford
 Rotan, G. V., Fr. *s* 152 Grove st.
 Roth, R. J., Fr. *s* 379 Temple st.
 Rothchild, R. F., *t* 84 Lyon st.
 Rothery, J. E., Fr. *s* 126 High st.
 Roulstone, W. B., So. *a* 152 Temple st.
 Rouse, B. I., So. *a* 249 L.
 Rouse, B. O., Fr. *a* 530 P.
 Rowe, H. G., Jr. *s* 490 Orange st.
 Rowell, W. A., Mid. *d* 631 E. D.
 Rowland, R. S., Jr. *a* 346 WH.
 Rowland, W. E., *Cashier*, (p. 41) (WOOD.) 227 Sherman av.
 Ruddock, A. B., So. *a* 463 Whitney av.
 Ruff, J. S., Sr. *s* 111 Greene st.
 Ruickholdt, C. A., Jr. *m* 71 Olive st.
 Rumsey, B. C., *g* A.
 Runciman, W. B., Fr. *s* 104 Wall st.
 Russ, C. C., 3 *l* 265 L.
 Russell, F. C., 3 *l* 50 Howe st.
 Russell, S. S., 1 *l* 130 Wall st.
 Russell, T. H., *Prof.* (p. 20) 137 Elm st.
 Russell, T. H., Jr., Jr. *s* 113 v-s.
 Rust, S. H., Fr. *a* 525 P.
 Rutherford, E., *Silliman Lect.* (p. 554) Montreal, Canada
 Ryan, A. J., Fr. *a* 22 College st.
 Ryan, F. R., 1 *l* 613 Howard av.
 Ryan, J. H., Fr. *a* 379 WH.
 Ryder, E. M. T., *Instr.* (pp. 33, 212, 241) 671 W. D.

- Ryerson, D. M., So. *a* 22 College st.
- Sackett, A. T., Fr. *s* 107 v-s.
- St. John, S. B., Lect. (p. 33) Hartford
- Sanders, F. K., Prof. and Dean
(pp. 22, 100, 311, 403, 413)
(615 E. D.) 235 Lawrence st.
- Sanderson, J. C., So. *a* 245 L.
- Sanderson, R. L., Ass't. Prof. (pp. 27, 104, 325) Box 771 Yale Station
- Sands, M. B., Jr. *a* 445 FW.
- Sanford, C. E., Jr. *m* 928 Grand av.
- Sanford, C. H., Sr. *s* 82 s. m.
- Sanford, L. C., Ass't. (p. 38) 216 Crown st.
- Sanford, R. G., Sr. *a* 82 s. m.
- Sanford, S. S., Prof. (pp. 20, 154, 355) Bridgeport
- Sarason, S. D., Sr. *s* 252 Cedar st.
- Sargent, C. E., *g* 20 Eld st.
- Sargent, G. P. T., Sr. *a* 68 v.
- Sargent, H. B., Fellow 247 Church st.
- Sargent, M., Sr. *a* 43 v.
- Sarle, C. J., *g* 379 Crown st.
- Sato, J., *g* 637 E. D.
- Saunders, A. A., Jr. *s* 125 Maple st.
- Saunders, A. F., Jr. *s* 705 Quinnipiac av.
- Saunders, C. C., Jr. *s* 705 Quinnipiac av.
- Sauntry, B. W., Jr. *s* 82 Wall st.
- Savage, J. F., Fr. *s* Bridgeport
- Savage, L. E., Fr. *s* 333 York st.
- Savidis, C. G., Jr. *s* 53 Prospect st.
- Sawvel, L. F., Sr. *a* 393 B.
- Sawyer, A. M., Sr. *a* 59 Dixwell av.
- Sawyer, A. W., So. *a* 22 College st.
- Sawyer, H. M., *g* A.
- Saxe, M. D., 2 *l* 19 Gold st.
- Scanlan, T. F., 2 *m* 255 Crown st.
- Scarborough, C. C., Jr. *a* 407 B.
- Scarborough, M. M., *g*, 2 *m* 919 Howard av.
- Schaeffer, J. M., Sr. *s* 105 Park st.
- Schall, H. S., Fr. *s* 167 Livingston st.
- Scharton, A. R., 2 *l* 1081 Chapel st.
- Schatzkin, H. A., Jr. *s* 74 Arch st.
- Scheltema, J. F., *g* 336 George st.
- Schenck, D. S., Sr. *s* 111 Grove st.
- Schenker, H. R., Sr. *a* 358 WH.
- Schermerhorn, A. M., Jr. *a* 37 Lynwood pl.
- Scheuerle, J. A., Sr. *d* 627 E. D.
- Schmahl, L., *t* 965 State st.
- Schmidt, A., Fr. *a* 77 s. m.
- Schmidt, F. H., So. *a* 257 L.
- Schmidt, H. J., 1 *l* 333 York st.
- Scholle, W. D., Fr. *a* 250 York st.
- Schrenck, H. von, Lect. (pp. 33, 382) St. Louis, Mo.
- Schuchert, C., Prof. (pp. 24, 221, 227, 334) (9 m.) 610 Orange st.
- Schuele, G. J., 2 *m* 925 Howard av.
- Schultz, L., Instr. (pp. 33, 154, 355) 562 Park av., N. Y. City
- Schulz, C. F. F., *g* 387 Temple st.
- Schuneman, C. T., Fr. *s* 391 Temple st.
- Schurig, L. B., *mus.* 24 Bishop st.
- Schwab, J. C., Prof. (pp. 23, 147, 149, 294) 310 Prospect st.
- Schweizer, R., Jr., Sr. *s* 58 Ashmun st.
- Schwenker, W. M., Jr., Fr. *s* 379 Temple st.
- Schwill, R., Instr. (pp. 33, 106, 326) 90 s. m.
- Scofield, I. F., Jr. *m* Meriden
- Scott, A., Fr. *a* 250 Crown st.
- Scott, A. R., Sr. *s* 96 s. m.
- Scott, C. A., Jr. *for.* 58 Mansfield st.
- Scott, G. S., So. *a* 22 College st.
- Scott, H. B., So. *a* 22 College st.
- Scott, H. N., Sr. *s* 17 Hillhouse av.
- Scott, S. M., Jr., Fr. *s* 102 v-s.
- Scott, W. H., So. *a* 22 College st.
- Scovill, L. R., Jr. *a* Box 850 Yale Station
- Scoville, H. F., Jr. *s* 132 F.
- Scoville, S., *g* A.
- Scragg, R. E., Fr. *a* 573 P.
- Scudder, E., *t* 917 Howard av.
- Scudder, L. W., Fr. *s* 110 Wall st.
- Scudder, P. J., Jr. *a* 349 WH.
- Scully, A. C., Fr. *s* 391 Temple st.
- Searing, L. H., Fr. *s* 139 F.
- Sears, J. A., Sr. *s* 148 v-s.
- Secor, W. J., Jr. *s* 128 Wall st.
- Seeley, E. B., Sr. *a* 358 WH.
- Seery, W. A., Fr. *s* 76 Mansfield st.
- Seguine, L. R., *g* 130 Howe st.
- Seidensticker, R. F., So. *a* 261 L.
- Seita, R., *g* 6 Trumbull st.
- Selby, R. A., Jr. *s* 278 L.
- Selby, T. E., Jr. *s* 21 Arch st.
- Selden, H. C., Jr. *s* 82 Whalley av.

- Seligman, J. L., Fr. *a* 538 P.
 Seligmann, G. A., Fr. *a* 250 York st.
 Sellards, C., *g* 143 York st.
 Selleck, A. W., Fr. *a* 1076 Chapel st.
 Selzer, F. I., *g* 63 Clark st.
 Seronde, J., Sr. *a* 386 B.
 Seshimo, G., *g* 6 Trumbull st.
 Setchell, J., Sr. *s* 218 English st.
 Seward, E. C., Jr., Jr. *a* 316 W.
 Seward, H. L., Jr. *s* 64 Clinton av.
 Seymour, C., Fr. *a* 34 Hillhouse av.
 Seymour, C. W., So. *a* 239 D.
 Seymour, H., Jr., Fr. *s* 7 B. M. H.
Seymour, T. D., Prof. (pp. 19, 94, 96, 312 ff.) (22 PHELPS)
 34 Hillhouse av.
 Shackleton, R. A., Fr. *a* 87 Ashmun st.
 Schäffer, C., Jr. *s* 115 V-S.
 Shaffer, K., Fr. *s* 397 Temple st.
 Shaffrath, P., 2 *l* 83 Sachem st.
 Shailer, N. F., Fr. *s* 55 Trumbull st.
 Shallies, G. W., *g* 73 Lake pl.
 Shanley, F. R., Jr. *s* 114 High st.
 Shapiro, J. G., 1 *l* 288 Grand av.
 Sharretts, E. P., Sr. *a* 47 V.
 Shea, F. L., Sr. *s* 1631 Chapel st.
 Sheehan, J. E., 1 *m* Wallingford
 Sheehan, P., Jr. *a* 451 FW.
 Sheffer, M. L., Sr. *a* 414 B.
 Sheffield, H. E., So. *a* 22 College st.
 Sheffield, L. T., Jr. *s* 1 Hillhouse av.
 Sheldon, A. M., Fr. *a* 231 York st.
 Sheldon, H. T., Sr. *a* 45 V.
 Sheldon, P. S., Jr. *s* 137 College st.
 Sheldon, W., Jr. *s* 1 Hillhouse av.
 Shelton, W. B., Jr. *a* 144 F.
 Shepard, C. E., Jr. *s* Hamden
 Shepard, R. B., Fr. *a* 242 York st.
 Shepard, S., Jr., Sr. *a* 320 W.
 Shepard, S. M., Jr. *s* 1 Hillhouse av.
Shepard, W. K., Instr. (pp. 34, 214)
 57 N. S. H.
Shepherd, G. R., Lect. (p. 34)
 Hartford
 Sherfese, W. F., Sr. *for.* 70 Whalley av.
 Sheridan, L. W., *t* 519 Orange st.
 Sherman, A. C., Fr. *s* 104 Wall st.
 Sherman, H. B., Fr. *a* 588 P.
 Sherman, J., *t* 66 Gilbert av.
 Sherman, R., Fr. *a* 242 York st.
 Sherrill, F. G., So. *a* 458 FW.
 Sherwood, E. A., Jr. *a* 324 W.
 Shevlin, T. L., Jr. *a* 461 FW.
 Shields, A. W., Fr. *a* 250 Crown st.
 Shioya, S., *g* 378 Crown st.
 Shirk, J. E., So. *a* 1076 Chapel st.
 Shively, J. L., *g*, Grad. *d* 613 E. D.
 Shoemaker, H. M., Sr. *a* 14 V.
 Shoemaker, W. P., Jr. *a* 438 FW.
 Shook, A. M., Sr. *s* 131 Grove st.
 Shortley, W. G., *f*
 Sicher, D. F., *g* 23 Lynwood pl.
 Siems, C. P., Fr. *s* 397 Temple st.
 Silcox, F. A., Sr. *for.* 70 Whalley av.
 Silkman, T. F., Jr. *s* 111 Grove st.
 Silverman, H., Fr. *s* 128 Washington av.
 Simmons, F. R., Fr. *a* 228 Crown st.
 Simmons, J. I., Sr. *s* 131 Grove st.
 Simmons, L. A., Jr. *s* 7 Library st.
 Simpson, R. E., Sr. *a* 448 FW.
 Simpson, W. K., Sr. *s* 797 Orange st.
 Sincerbeaux, C. M., Sr. *a* 54 V.
 Sisson, L. E., So. *a* 241 L.
 Skeel, A. A., 1 *l* 250 York st.
 Skinner, J. W., Fr. *a* 468 FW.
 Slack, A. H., 2 *l* 399 Elm st.
 Slade, J. C., Sr. *a* 54 V.
Sloan, T. G., Instr. (p. 34)
 South Manchester
 Sloane, J., Jr., Sr. *a* 31 V.
 Sloane, M. D., So. *a* 254 Crown st.
 Small, G. W., So. *a* 236 Crown st.
 Small, R. B., Fr. *a* 250 York st.
 Smallman, T. F., Sr. *m* 213 Howard av.
 Smart, O. M., Fr. *s* 90 Wall st.
 Smernoff, A. A., 1 *m* 831 Grand av.
 Smillie, J. C., Sr. *a* 15 V.
 Smirnow, M. R., Jr. *m* 12 Davenport av.
 Smith, B. D., Jr. *a* 461 FW.
 Smith, C. B., Sr. *a* 1 V.
 Smith, C. E., *g* 42 Park st.
Smith, C. H., Prof. (pp. 19, 143, 303)
 (243 L.) 284 Orange st.
 Smith, C. M., Fr. *a* 586 P.
 Smith, C. P., So. *a* 87 S. M.
Smith, D. S., Instr. (pp. 34, 153, 354, 515)
 126 College st.
 Smith, E. H., 3 *l* 130 Wall st.
 Smith, E. R., So. *a* 40 Perkins st.
 Smith, E. W., *g* A.
 Smith, G., Fr. *s* 107 V-S.
 Smith, G. C., Jr., Fr. *s* 407 Temple st.
 Smith, G. F., Jr., Fr. *s* Milford

Smith, G. T., 2 m 668 w. d.
 Smith, H. B., Jr. s 59 Prospect st.
Smith, H. E., Prof. and Dean (pp. 21, 217) (25 Medical School)
 430 George st.
 Smith, J., t 57 S. Water st.
Smith, J. B., Ass't. (p. 38)
 (149 Orange st.) 9 College st.
 Smith, J. L., mus. 95 Howard av.
 Smith, K., g A.
 Smith, K. F., t 339 George st.
Smith, M. F., Ass't. (p. 41)
 Observatory
 Smith, M. H., t West Haven
 Smith, P. C., Jr., Jr. a 377 WH.
Smith, P. F., Prof. (pp. 23, 206, 212, 349) (26 s. H.) 78 Pearl st.
 Smith, P. S., Fr. s 411 Temple st.
 Smith, R. A., Sr. d 622 E. D.
 Smith, R. A. L., mus. Waterbury
 Smith, R. F., Jr. s Box 802 Yale Sta.
 Smith, R. R., Fr. a 598 P.
Smith, R. S., Univ. Gen. Sec'y., Y. U. C. A. (p. 41) 2 Dwight Hall
 Smith, R. W., Fr. s 409 Temple st.
 Smith, S. G., Sr. for. 53 Lake pl.
Smith, S. I., Prof. (pp. 19, 130, 221, 343) (78 B. L.)
 147 Whalley av.
 Smith, S. M., Sr. a 336 WH.
 Smith, W. F., Sr. s
 Box 728 Yale Station
 Smith, W. H., Jr. d 641 E. D.
Smoke, S. A., Prof. (pp. 23, 260)
 (University Hall) 60 Wall st.
 Smoot, S. M., g 90 Whalley av.
 Smoyer, F. B., So. a 333 York st.
 Smyth, M. W., g 328 Temple st.
Smyth, N., Fellow 328 Temple st.
 Smyth, W., f 328 Temple st.
Sneath, E. H., Prof. and Director
 (pp. 22, 135, 139, 284, 286, 289, 508, 514) (135 Elm st.)
 285 Whitney av.
 Sneath, G. M., So. a 268 L.
 Snell, A. L. F., g 37 Howe st.
 Snider, W. T., Sr. a 155 F.
 Snoke, C. E., g, Grad. d 630 E. D.
 Snow, D. B., Fr. s 45 Lake pl.
 Snow, G. N. D., Fr. s 152 Grove st.
 Snowden, F. L., Jr., Jr. s 125 High st.
 Snowdon, G. H., Sr. s 111 Grove st.
 Snyder, I. T., Sr. s 111 Grove st.
 Somers, A. T., t 218 Goffe st.

Somers, C. W., Jr. a 356 WH.
 Somers, D. M., Fr. a 251 L.
 SooySmith, H., Sr. a 65 v.
 Soroch, E. M., i m 25 Bradley st.
 Soule, G. H., Jr., Fr. a 524 P.
Spalding, C. G., Demonstrator
 (p. 34) 9 High st.
 Spalding, E. E., Sr. a 39 v.
 Sparhawk, W. N., Fr. a 719 w. d.
 Spaulding, A. T., Fr. a 242 York st.
 Spaulding, E. G., Sr. s 133 College st.
 Spaulding, H. B., Sr. a 64 v.
 Spaulding, S. S., Fr. a 242 York st.
 Speh, C. F., Jr. s 63 Crown st.
 Spencer, A. L., Sr. a 34 Hillhouse av.
 Spencer, G. S., Sr. a 4 v.
 Spencer, J. H., Sr. s 149 v-s.
Sperry, F. N., Instr. (p. 34)
 76 Wooster st.
 Sperry, H. F., Fr. s 86 Dwight st.
 Sperry, J. A., 2d, Fr. a 22 Trumbull st.
 Spicer, E., Sr. m 925 Howard av.
 Spinney, C. B., Sr. a 459 FW.
 Spinney, W. A., g, Spec. d
 Wallingford
 Spitz, M. W., Fr. a 585 P.
 Spitzer, R. A., Fr. a 382 WH.
 Sprague, W. B., Jr. a 290 w.
Sprenger, W., Instr. (p. 34)
 366 George st.
 Springer, C., Spec. l 108 High st.
 Springer, W., s for. A.
 Sprott, R. E., Jr. s 137 College st.
 Squier, F., Jr., Sr. a 56 v.
 Squire, W. L., Jr. a 342 WH.
 Squires, F. N. M., Jr. s West Haven
 Staaf, O. E., g 88 Prospect st.
 Stäbler, H. O., Sr. for. 53 Lake pl.
 Stanford, J. W., Jr. s 337 Orange st.
 Stanley, F. C., g Bridgeport
 Stanley, H., Fr. a 242 York st.
 Stanley, M., Fr. a 570 P.
 Stanley, M. L., mus. Waterbury
 Stanley, W. W., Fr. s 393 Temple st.
 Stannard, E. T., Sr. s 133 Wall st.
 Stanton, O. B., Jr., Spec. l
 120 High st.
 Stapler, H. B., Fr. a 250 York st.
 Staples, H. W., Fr. s 110 Wall st.
 Stark, G. L., So. a 250 Crown st.
 Starkweather, H. W., Jr. s
 114 High st.
 Starr, E. B., So. a 140 F.
 Starr, R. G., i l 47 Lake pl.

- Starr, S. T., *f* 344 Elm st.
 Statiropoulos, J. G., *g* 153 Franklin st.
 Steane, H. J., Jr. *s* 132 Wall st.
 Steele, A. T., Jr. *d* Monroe
 Steele, E. W., Fr. *s* Ansonia
 Steele, H. M., *Ass't.* (p. 38) 226 Church st.
 Steele, R. H., Fr. *a* 1076 Chapel st.
 Steele, W. M., *g* 281 Crown st.
 Steely, H. M., Jr., Fr. *s* 130 Wall st.
 Steinman, J. F., Jr. *s* 122 v-s.
 Steinman, J. H., Fr. *a* 563 P.
 Stephens, R. M., Fr. *a* 233 York st.
 Stephenson, J. C., Jr. *s* 111 Grove st.
 Stetson, G. T., Jr., *a* 436 Fw.
 Stevens, A. M., Sr. *a* 41 v.
 Stevens, C. H., So. *a* 166 F.
 Stevens, E. F., *Ass't.* (p. 41) 203 Lawrence st.
 Stevens, F. N., Fr. *a* 42 Lake pl.
 Stevens, G. B., *Prof.* (pp. 21, 139, 284, 289, 409, 515) (609 E. D.) 388 Whitney av.
 Stevens, H. H., So. *a* 210 D.
 Stevens, W. B., *mus.* 58½ Atwater st.
 Stevens, W. P., Jr. *s* 133 College st.
 Stevenson, E. R., So. *a* 15 Farren av.
 Stevenson, J. A., Jr. *a* 306 w.
 Stevenson, J. M., *g* A.
 Stewart, C. B., Fr. *a* 250 York st.
 Stewart, D. B., Fr. *a* 577 P.
 Stewart, G., Fr. *s* 413 Temple st.
 Stewart, S. A., Mid. *d* 644 E. D.
 Stillman, W. N., Sr. *a* 30 v.
 Stilwell, J., Fr. *s* 389 Temple st.
 Stimson, H. A., *Lect.* (pp. 34, 412) N. Y. City
 Stimson, H. B., So. *a* 22 College st.
 Stinson, P. R., *i l* 333 York st.
 Stoddard, E. V., Jr., Sr. *a* 315 w.
 Stoddard, H. B., *Spec. l* Bridgeport
 Stoddard, R. F., Fr. *a* 176 F.
 Stoeckel, G. J., *Prof.* (p. 17) Norfolk
 Stokes, A. P., Jr., *Secretary* (p. 24) (WOOD.) 73 Elm st.
 Stokes, J. W., *s for.* A.
 Stone, A. F., So. *a* 1076 Chapel st.
 Stone, F. L., Sr. *s* 333 York st.
 Stone, N. L., Fr. *s* 169 Livingston st.
 Stone, R. H., Fr. *s* 409 Temple st.
 Stoner, J. R., *g* 73 Lake pl.
 Storey, W. F., Jr. *s* 172 Lloyd st.
 Stout, A. P., So. *a* 228 Crown st.
 Stowe, A. L., So. *a* 282 L.
 Stringer, E. S., Sr. *a* 69 v.
 Stringer, M. S., So. *a* 1076 Chapel st.
 Strohm, F. H., *3 l* 119 Wall st.
 Strong, C. C., 2d, So. *a* 1076 Chapel st.
 Strong, H. C., Jr. *s* 113 v-s.
 Strong, J. P., *Accountant* (p. 41) (WOOD.) 222 Sherman av.
 Strong, S. R., So. *a* 27 College st.
 Strout, H. A., *mus.* Wallingford
 Struby, G. B., Jr. *a* 283 w.
 Stuart, C. B., Fr. *s* 150 Grove st.
 Stuart, R. Y., *g, Jr. for.* 22 Whalley av.
 Studley, H. F., Jr. *for.* 42 Lake pl.
 Studley, J. E., *t* 568 Chapel st.
 Sturges, G., Jr. *a* 234 D.
 Sturges, H., Fr. *a* 238 York st.
 Sullivan, J. B., Jr. *m* 245 Washington av.
 Sullivan, L., Fr. *a* 250 York st.
 Sullivan, M. G., *mus.* 23 Pearl st.
 Sullivan, R., Sr. *a* 444 Fw.
 Sullivan, W. G., So. *a* 254 Crown st.
 Sumner, C., Fr. *a* 22 College st.
 Sumner, W. G., *Prof.* (pp. 19, 148, 293) 240 Edwards st.
 Sutherland, G. L., So. *a* 260 L.
 Sutton, T. P., *g, i l* 217 York st.
 Sverdrup, G., *g* 47 Lake pl.
 Swain, H. L., *Prof.* (p. 22) 232 York st.
 Swanson, E. O. W., *Spec. d* 25 Woodland st.
 Swartz, W., *g* 132 Howe st.
 Sweeney, E. F., So. *a* 224 D.
 Sweeney, J. W., *2 m* 85 Sachem st.
 Sweeney, N. A., *t* 85 Sachem st.
 Sweeny, H. P., Sr. *a* 384 B.
 Sweet, S. A., So. *a* 314 w.
 Sweet, S. E., Sr. *a* 435 Fw.
 Sweinhart, F. C., Sr. *a* 410 B.
 Sweinhart, H. L., *g* A.
 Swenarton, H. A., Sr. *s* 82 Wall st.
 Swift, L., Sr. *a* 338 wH.
 Swift, S., Fr. *a* 238 York st.
 Swords, H. H., So. *a* 289 w.
 Symes, G. G., Sr. *s* 110 v-s.
 Synnott, M. J., *g* A.
 Syphax, F. B., So. *a* 419 B.
 Taddeo, J., *f* 329 Cedar st.
 Taft, A. I., Sr. *a* 387 B.

- Taft, H., Sr. *a* 51 v.
 Taft, W. S., So. *a* 22 College st.
 Tait, E. W., Fr. *a* 533 P.
 Takagi, S., So. *a* 91 S. M.
 Takebayashi, C., *g* 363 Crown st.
 Talcott, H. W., Fr. *a* 532 P.
 Tarr, L. M., *Lect.* (pp. 34, 127, 221, 227, 343) (U. S. Weather Bur.)
 344 Sherman av.
 Taylor, A. H., Sr. *a* 120 York st.
 Taylor, C. F., Jr. *s* 82 Whalley av.
 Taylor, D. E., Jr., Fr. *a*
 22 College st.
 Taylor, E. G., *Tutor* (pp. 34, 113)
 (15 WH.) 226 Lawrence st.
 Taylor, E. L., Jr., *Instr.* (pp. 34, 212, 351)
 265 L.
 Taylor, H. V., Fr. *a* 568 P.
 Taylor, P., Mid. *d* 633 E. D.
 Taylor, W. J., *Lect.* (pp. 34, 136, 138, 140, 284, 290) 67 Howe st.
 Taylor, W. W., *g* A.
 Teehan, G. E., 2 *m* 381 Crown st.
 Tennant, G. B., *g* 722 W. D.
 Terry, A. H., Jr., Jr. *a* 378 WH.
 Terry, E. C., Spec. *l* 537 Howard av.
 Terry, F. G., *mus.* 1304 Chapel st.
 Terry, L. B., *mus.* 1304 Chapel st.
 Tetrault, C. A., Jr. *m*
 919 Howard av.
 Textor, L. E., *g* 144 Greene st.
 Thacher, A. B., Sr. *a* 338 WH.
 Thacher, S. E., *Accountant* (p. 41)
 441 Second av., West Haven
 Thacher, T., *Lect.* (pp. 34, 487)
 21 W. 51st. st., N. Y. City
 Thacher, T. A., Fr. *a* 599 P.
 Thacher, T. D., *l* 1076 Chapel st.
 Thatcher, M. D., Jr., Jr. *a* 450 FW.
 Thaw, S. D., So. *a* 453 FW.
 Thayer, G. C., Fr. *a* 242 York st.
 Thom, A. P., Jr., Jr. *a* 391 B.
 Thomas, A. C., Sr. *a* 24 v.
 Thomas, F. H., So. *a* 22 College st.
 Thomas, G., Fr. *a* 250 Crown st.
 Thomas, G. A., Fr. *s* 405 Temple st.
 Thomas, H. F., So. *a* 22 College st.
 Thomas, R. H., Sr. *a* 46 v.
 Thompson, A. V., Fr. *s*
 395 Temple st.
 Thompson, C. A., *l m* 361 Orange st.
 Thompson, F. H., Jr. *s* 124 Wall st.
 Thompson, F. W., 2 *m*
 226 Whalley av.
 Thompson, G. A., *Ass't.* (pp. 38, 515)
 79 Clinton av.
 Thompson, G. F., Fr. *s*
 114 Whitney av.
 Thompson, G. V., So. *a* 249 Crown st.
 Thompson, K. O., Jr. *d* 635 E. D.
 Thompson, M., *g* 131 Howe st.
 Thompson, N. F., Jr., Jr. *a* 344 WH.
 Thompson, O. L., Jr. *a* 144 F.
 Thompson, R. S., So. *a* 326 W.
 Thompson, W. H., Jr., *g* 35 Clark st.
 Thomson, C. C., Jr. *a* 407 B.
 Thomson, L. S., So. *a* 142 F.
 Thorn, H. B., Jr. *s* 99 Davenport av.
 Thorne, C. M., Fr. *s* 419 Temple st.
 Thorne, W. M., Jr., Jr. *s* 677 W. D.
 Thornton, J. C., Fr. *a* 329 W.
 Thorstenberg, E., *Instr.* (pp. 34, 233)
 116 v-s.
 Thorstenberg, H. J., *g* 130 Wall st.
 Throop, M. H., So. *a* 260 L.
 Tiemann, H. D., *Ass't.* (p. 38)
 Marsh Hall
 Tiernan, F. D., *mus.* 836 Howard av.
 Tileston, C. T., Jr. *a* 298 W.
 Tillotson, E. W., Jr. *a* 250 L.
 Tillson, B. F., Sr. *s* 132 Wall st.
 Tillson, G. R., *g* A.
 Tilney, R. F., 2d, Jr. *a* 34 v.
 Tilson, D. B., Fr. *a* 422 B.
 Tilson, J. Q., *Proctor and Auditor*
Dining Hall (p. 41) 463 FW.
 Tilson, V. V., Fr. *a* 422 B.
 Timm, J. A., *g*, Grad. *d* 106 York sq.
 Tinker, C. B., *Tutor* (pp. 34, 115, 117)
 267 L.
 Titus, P., *l m* 925 Howard av.
 Tocher, C. E., Sr. *s* 13 Edgewood av.
 Todd, C. F., So. *a* 205 D.
 Todd, L. E., Jr. *a* 279 L.
 Tomlinson, C. P., Fr. *s* 98 York sq.
 Tooker, L. H., Jr. *a* 368 WH.
 Toole, J. A., Jr. *a* 323 W.
 Torrey, C. C., *Prof.* (pp. 22, 101, 305, 307, 414)
 (10 FW.) 67 Mansfield st.
 Torrey, D. J., So. *a* 260 Crown st.
 Toumey, J. W., *Prof.* (pp. 23, 230, 259, 346, 381, 386, 395)
 (Marsh Hall) 459 Prospect st.
 Tournier, C. A., Fr. *a* 148 F.
 Tower, G. E., Sr. *for.* 70 Whalley av.
 Townsend, G. H., 2d, Fr. *a* 328 W.
 Townsend, H. B., Sr. *a* 430 FW.

- Townsend, J. M., Lect.* (pp. 34, 488)
 318 W. 75th st., N. Y. City
Townsend, J. M., Jr., Fr. a 544 P.
Townsend, R. R., So. a 469 FW.
Townsend, W. K., Prof. (p. 20)
 148 Grove st.
Tracy, E. B., Fr. a 22 College st.
Tracy, E. K., f 92 Webster st.
Tracy, J. C., Ass't. Prof. (pp. 27,
 210, 212, 353)
 (131 WINCH.) 345 Winthrop av.
Treat, W. H., Jr. m Derby
Tredwell, R. C., Fr. a 205 D.
Tripp, R. C., Jr. s 96 Wall st.
Troostwyk, H., mus. 117 Park st.
Troostwyk, I., Ass't. Prof. (pp. 27,
 154, 355, 515)
 (38 College st.) 117 Park st.
Trowbridge, M., Instr. (pp. 34, 113)
 431 FW.
Truesdale, C., So. a 22 College st.
Trumbull, J. B., Fr. s 135 College st.
Tsuruta, K., Jr. s 55 Prospect st.
Tukey, R. H., g 139 Dwight st.
Tullar, E. C., g, Grad. d
 100 E. Pearl st.
Tully, T. A., So. a 177 F.
Turner, H. J., Fr. s 115 Greene st.
Turner, H. M., Sr. a 12 v.
Turner, S., Jr. a 373 WH.
Turrill, H. S., Jr. s 293 York st.
Tussey, M. C., Fr. a 209 D.
Tuttle, C. P., Jr. a 374 WH.
Tuttle, G. C., So. a 22 College st.
Tuttle, H. C., Fr. a 548 P.
Tuttle, M. E., Fr. s 1466 Chapel st.
Twichell, B. P., Registrar 718 w. D.
Twichell, J. H., Fellow Hartford
Twichell, J. H., Jr. a 372 WH.
Twiss, C. E., mus. 25 Beers st.
Twitchell, R. L., So. a 252 L.
Tyler, A., Fr. s 33 College st.
Tyler, E. L., t 1010 Quinnipiac av.
Tyler, L. S., Sr. a 33 College st.
Tyler, W. F., Fr. a 266 L.

Ulrich, W. L., Jr. s 82 Whalley av.
Umberger, R. B., Fr. a 83 s. M.
Underhill, F. P., Instr. (pp. 35, 221)
 115 York st.
Underwood, G., Jr., So. a 344 WH.
Underwood, K., Fr. a 549 P.
Updegraff, A. E., So. a 700 W. D.
Updegraff, L. V., Fr. a 700 W. D.
- Upson, C. A., Jr. s* 53 Prospect st.

Vail, D. R., Fr. s 333 York st.
Vail, T. E., Fr. s 310 York st.
Van Brunt, E. W., Sr. a 425 FW.
Van Brunt, G. W., Fr. s 110 Wall st.
Van Buren, A. W., g Rome, Italy
Van Campen, B., Jr. a, i m 462 FW.
Vanderbilt, C., Trustee P. M. (p. 522)
 100 Broadway, N. Y. City
Vanderbilt, F. W., Trustee S. S. S.
 (p. 181) 459 Fifth av., N. Y. City
Van Deventer, H. B., g 1076 Chapel st.
Van Harlingen, J. M., Fr. s
 120 College st.
Van Name, A., Librarian (p. 18)
 (LIBR.) 121 High st.
Van Name, R. G., Instr. (pp. 35, 125,
 339, 340) 121 High st.
Vanorden, H. F., Fr. s 124 Wall st.
Van Rensselaer, W. S., Fr. a
 238 York st.
Van Reypen, W. K., Jr., Sr. a 35 v.
Van Schaick, G. S., i l 333 York st.
Van Tassel, C. B., Jr. a 446 FW.
Van Wagenen, G. B., Jr. a 398 B.
Veader, A., f 284 Orange st.
Veeder, P. L., Fr. s 150 Grove st.
Veitch, J. R., 3 l 216 Orange st.
Vernam, A. H., Jr., Sr. s 125 v-s.
Verrill, A. E., Prof. (pp. 19, 221,
 227, 343) (15 M.)
 86 Whalley av.
Vestling, A. E., Instr. (pp. 35, 108)
 130 Wall st.
Vidal, H. A., Jr. s 124 Wall st.
Vietor, J. A., So. a 22 College st.
Vincent, A. H., So. a 250 Crown st.
Visanska, E. L., Sr. a 58 v.
Voigt, R. A., Sr. s 123 v-s.
Volkenheim, M., i m 40 Spruce st.
Vollmer, J. W., Jr. m South Norwalk
Voorhees, B. S., Fr. s 23 Barnett st.

Wade, D. M., So. a 22 College st.
Wagenhals, H. H., So. a 312 w.
Wagner, E. C. L., Fr. a 114 High st.
Waha, A. O., Jr. for. 713 w. D.
Wahlin, G. E., g 53 Prospect st.
Wainwright, P. S., Fr. s
 393 Temple st.
Wainwright, R. B., Fr. s
 419 Temple st.
Wait, W. W., So. a 165 F.

- Waite, J. B., Sr. *a* 36 v.
 Waite, R. L., Sr. *s* 333 York st.
 Wakefield, F. N., Jr. *a* 161 F.
 Walcott, H., Jr. *a* 322 w.
 Walden, P. T., *Ass't. Prof.* (pp. 27, 237) 162 S. L.
 Waldo, O. H., Jr., Jr. *a* 242 L.
 Waldron, F. H., Jr., Fr. *s* 105 Howe st.
 Waldron, W. G., 3 *l*
 Walker, C. H., *g* 651 E. D.
 Walker, H. E., Sr. *s* 141 v-s.
 Walker, H. H., Jr. *s* 103 v-s.
 Walker, M. M., *f* 162 York st.
 Walker, R. W., *g* A.
 Walker, T. J., Fr. *a* 119 Wall st.
 Walker, W., *Prof.* (pp. 22, 299, 408, 417) (607 E. D.) 281 Edwards st.
 Walker, W. J., Fr. *a* 250 York st.
 Walker, W. T., Fr. *s* 110 Wall st.
 Wallace, D. V., Jr. *s* 137 College st.
 Wallace, M. L., *g* A.
 Wallace, R., Fr. *s* 427 Temple st.
 Wallace, R. L., Fr. *a* 22 College st.
 Wallace, W. K., Fr. *a* 250 York st.
 Waller, J. R. A., B.C.L. *l* 222 Crown st.
 Wallis, J. H., Jr. *a* 324 w.
 Walradt, H. F., So. *a* 281 L.
 Walton, A. B., *t* 109 Ellsworth av.
 Walton, H. A., Jr. *a* 458 FW.
 Walton, M. S., *Ass't.* (p. 41) 217 York st.
 Wang, C. H., Grad. *l* 126 Howe st.
 Ward, A. G., *Instr.* (pp. 35, 233) 122 Wall st.
 Ward, B. R., *g* 231 York st.
 Ward, E., Fr. *s* 14 B. M. H.
 Ward, F., *Ass't.* (p. 38) 569 P.
 Ward, H. C., 1 *m* 219 York st.
 Ward, H. L., Jr. *a* 256 L.
 Warner, D. J., 2d, Jr. *a* 357 WH.
 Warner, J., Jr. *a* 341 WH.
 Warner, W. H., *g* 1385 Chapel st.
 Warren, E. D., 2 *l* 36 Elm st.
 Warren, E. L., Jr. *a* 370 WH.
 Warren, F. M., *Prof.* (pp. 21, 104, 324, 513) 153 F.
 Washburn, E. H., 2 *l* 570 Howard av.
 Washburn, J. R., Sr. *a* 279 L.
 Washburne, C., Fr. *a* 242 York st.
 Washington, J. E., Jr., Sr. *s* 131 Grove st.
 Waterman, I. D., So. *a* 260 Crown st.
 Waterman, S. G., *g* A.
 Waterman, W. V., Jr. *a* 334 WH.
 Waters, J. L., Sr. *a* 1076 Chapel st.
 Waterworth, J. B., Fr. *a* 233 York st.
 Watkins, C. L., Fr. *a* 330 w.
 Watkins, R. R., Fr. *a* 13 Lake pl.
 Watrous, G. D., *Prof.* (pp. 21, 148, 478, 482, 484) (121 Church st.) 261 Bradley st.
 Watson, H. R., Jr. *s* 333 York st.
 Watterson, J. E., So. *a* 311 w.
 Waugh, J. M., *t* 917 Howard av.
 Wayne, W., Jr., Fr. *s* 395 Temple st.
 Weatherbee, H. A., Fr. *a* 250 York st.
 Weaver, L. G., Fr. *a* 250 York st.
 Webb, G. O., Fr. *a* 9 Library st.
 Webb, H. W., Fr. *a* 203 York st.
 Webb, J. H., *Instr.* (pp. 35, 477, 482) 42 Church st.
 Webb, J. W., So. *a* 22 College st.
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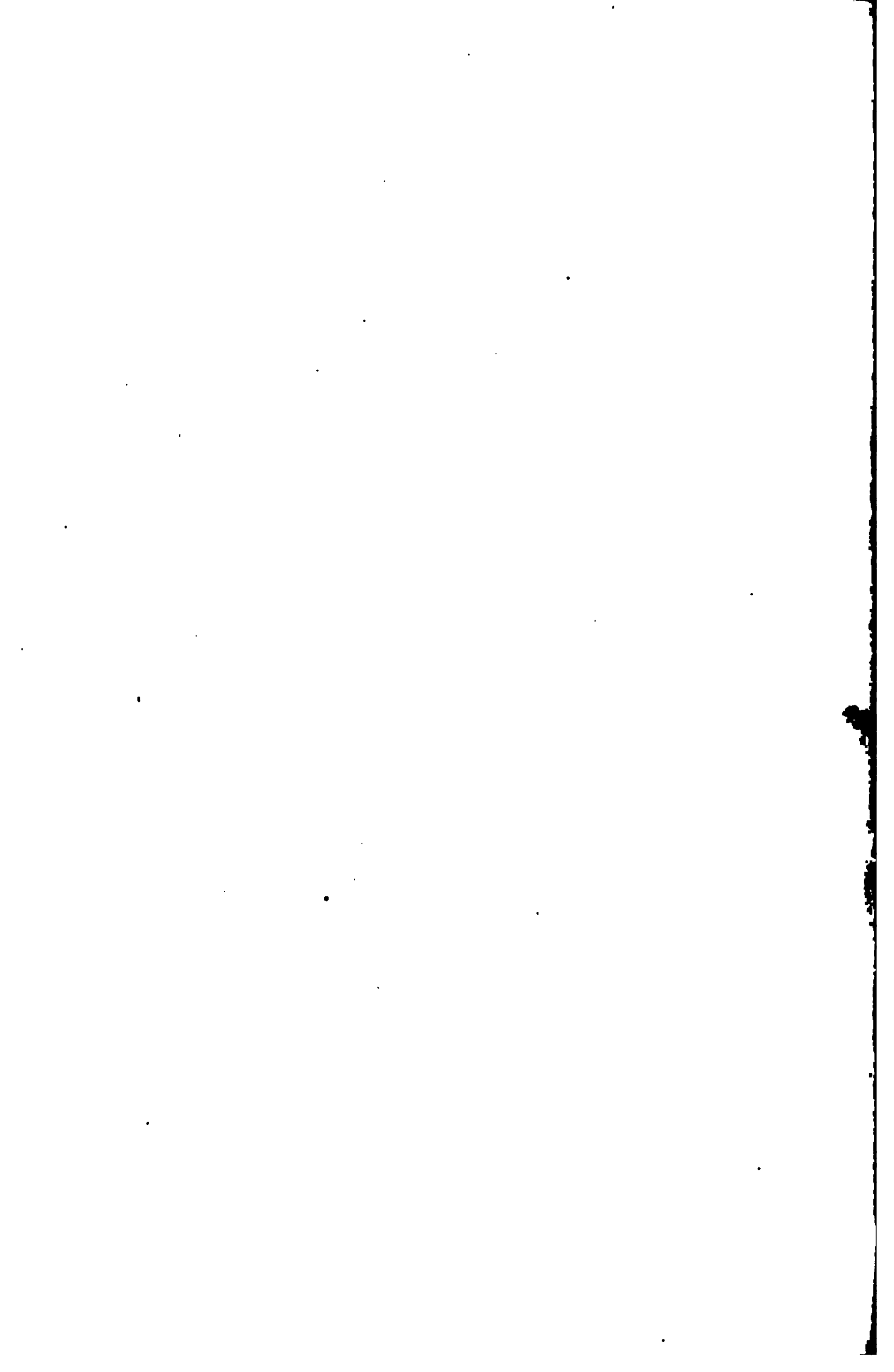
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